### Aon Risk Solutions Global Risk Consulting Actuarial and Analytics

# Pennsylvania Insurance Department – Bureau of Special Funds

Actuarial Analysis for the Underground Storage Tank Indemnification Fund and the Tank Installers Indemnification Program

As of June 30, 2013

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# **Table of Contents**

| I.   | Introduction  | 1  |
|------|---|----|
|      | Purpose   | 1  |
|      | Background  | 1  |
|      | Scope   | 1  |
| II.  | Conditions and Limitations                                | 3  |
|      | Inherent Uncertainty                                      | 3  |
|      | Extraordinary Future Emergence                            | 3  |
|      | Data Reliance   | 3  |
|      | Discounting   | 3  |
|      | Use and Distribution                                      | 3  |
| III. | Executive Summary   | 4  |
|      | Summary of Results  | 4  |
|      | Observations/Findings                                     | 9  |
| IV.  | Program Description                                       | 12 |
| V.   | Data  | 13 |
| VI.  | Actuarial Analysis  | 15 |
|      | Overview  | 15 |
|      | Methods/Models of Estimating Unpaid Loss and ALAE Expense | 15 |
|      | Cash Flow and Actuarial Assumptions                       | 16 |
| VII. | Description of Exhibits                                   | 19 |
|      | Description of Exhibits - USTIF                           | 19 |
|      | Description of Pro Forma Exhibits - USTIF                 | 22 |
|      | Description of Appendix Exhibits - TIIP                   | 24 |
| VIII | Exhibits  | 26 |



### I. Introduction

### Purpose

Aon Global Risk Consulting (AGRC) has been retained by the Pennsylvania Department of General Services (PA DGS) on behalf of the Pennsylvania Insurance Department, Bureau of Special Funds (PA BSF) to provide an actuarial review of the Underground Storage Tank Indemnification Fund (USTIF) and the Tank Installers' Indemnification Program (TIIP) as of June 30, 2013.

The estimated liabilities and projections included in this report are intended to be used to support the management of the USTIF and TIIP. These estimates are based on data valued as of June 30, 2013.

# Background

The Underground Storage Tank Indemnification Fund began operation in February 1994 with the purpose of helping underground storage tank owners and operators comply with financial responsibility requirements established by the Federal Environmental Protection Agency (EPA) in the event of a regulated substance release from an eligible underground storage tank (UST). The USTIF also manages the Tank Installers' Indemnification Program which provides coverage to tank installers.

The USTIF is funded by the payment of capacity and throughput fees on regulated substances by tank owners and operators. The USTIF also receives revenue income from investments and other items. The TIIP is funded by the payment of annual certified company fees and tank installer activity fees by certified tank installer companies.

The USTIF issued a \$100mln loan to the Commonwealth of Pennsylvania on October 15, 2002 (General Fund Loan). The outstanding principal on the loan is \$67.5mln as of June 30, 2013.

# Scope

The specific scope of our analysis is to provide the following:

- a. Estimate the unpaid loss and allocated loss adjustment expense (ALAE) as of June 30, 2013 for USTIF. The estimates will be provided on a net basis with respect to USTIF's limits and deductibles. Estimates will be provided on both a discounted and undiscounted basis. The interest rates used for discounting the unpaid losses was provided by PA BSF. A review of the appropriateness of the discount rate is outside of scope for this review.
- b. Evaluate the financial status of the USTIF as of June 30, 2013.
- c. Recommend fees for USTIF based on the Underground Storage Tank Indemnification Board (Board) requirements.



- d. Prepare a cash flow report for USTIF that projects payments and investment income through the twenty year period beginning July 1, 2013. The sensitivity of the results to the underlying interest rate assumption will also be tested. Pro forma balance sheets and income statements will be prepared for this period.
- e. Project the annual TIIP underwriting income for the ten year period beginning July 1, 2013.

\* \* \* \* \* \*

We, Charles B. Kullmann and Jay Matthew South are members of the American Academy of Actuaries and meet the Qualification Standards of the American Academy of Actuaries to render the actuarial opinion contained herein.

This report was prepared with the assistance of Peipei Zhou from Financial Integrity Resources Management, LLC in accordance with our Small Disadvantaged Business proposal submitted to the PA DGS.

We performed this analysis using generally accepted actuarial principles and in accordance with all relevant Actuarial Standards of Practice.

Please contact us if you have any questions regarding this report.

Respectfully submitted,

Aon Global Risk Consulting

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### II. Conditions and Limitations

# **Inherent Uncertainty**

Actuarial calculations produce estimates of inherently uncertain future contingent events. We believe that the estimates provided represent reasonable provisions based on the appropriate application of actuarial techniques to the available data. However, there is no guarantee that actual future payments will not differ from estimates included herein.

# Extraordinary Future Emergence

Our projections make no provision for the extraordinary future emergence of losses or types of losses not sufficiently represented in the historical data or which are not yet quantifiable.

#### Data Reliance

In conducting this analysis, we relied upon the provided data without audit or independent verification; however, we reviewed it for reasonableness and consistency. Any inaccuracies in quantitative data or qualitative representations could have a significant effect on the results of our review and analysis.

# Discounting

The uncertainty inherent in the discounted unpaid loss estimates is greater than the uncertainty in the undiscounted loss estimates. This is because undiscounted liabilities normally contemplate an implicit risk margin for the variability in the loss estimation process (e.g., underor over-estimating). Discounting takes away this implicit risk margin and would subject the unpaid loss estimates to additional risks such as yields on the investment portfolio and the timing risk. Future loss payments could occur more or less rapidly than expected due to random variations and the timing of large claim payments. We made no adjustment to account for these risk margins. The interest rates used for discounting the unpaid losses was provided by PA BSF. A review of the appropriateness of the discount rate is outside of scope for this review.

### **Use and Distribution**

Use of this report is limited to PA BSF for the specific purpose described in the Introduction section. Other uses are prohibited without an executed release with Aon.

Distribution by PA BSF is unrestricted. We recognize that this report may be distributed to third parties. We request that Aon be notified of further distribution of this report. The report should only be distributed in its entirety including all supporting exhibits.



# III. Executive Summary

# Summary of Results

#### I. Estimated Outstanding Loss and ALAE for USTIF as of June 30, 2013

The following table summarizes the estimated outstanding loss and ALAE for USTIF as of June 30, 2013. Please see the Observation/Findings section of this report for more details.

| Est                           | imated Unpaid Los                   | s and ALAE at 6/30/20 | 13  |
|-------------------------------|-------------------------------------|-----------------------|---|
| (1)                           | (2)                                 | (3)                   | (4)   |
| Report Year Beginning<br>1/1: | Estimated Ultimate<br>Loss and ALAE | Paid Loss and ALAE    | Estimated Total<br>Outstanding as of<br>6/30/2013 |
| 1994                          | \$18,450,000                        | \$16,960,856          | \$1,489,144                                       |
| 1995                          | \$51,578,019                        | \$45,385,634          | \$6,192,385                                       |
| 1996                          | \$65,963,517                        | \$56,070,870          | \$9,892,647                                       |
| 1997                          | \$81,986,640                        | \$70,964,001          | \$11,022,639                                      |
| 1998                          | \$116,859,688                       | \$99,267,204          | \$17,592,484                                      |
| 1999                          | \$139,257,414                       | \$114,222,172         | \$25,035,242                                      |
| 2000                          | \$84,670,010                        | \$67,561,969          | \$17,108,041                                      |
| 2001                          | \$98,591,921                        | \$75,362,419          | \$23,229,502                                      |
| 2002                          | \$81,073,964                        | \$59,247,608          | \$21,826,356                                      |
| 2003                          | \$52,600,000                        | \$36,433,179          | \$16,166,821                                      |
| 2004                          | \$73,840,937                        | \$48,387,478          | \$25,453,459                                      |
| 2005                          | \$54,571,873                        | \$34,044,114          | \$20,527,759                                      |
| 2006                          | \$42,447,334                        | \$24,117,224          | \$18,330,110                                      |
| 2007                          | \$49,037,579                        | \$25,579,250          | \$23,458,329                                      |
| 2008                          | \$47,000,000                        | \$21,278,261          | \$25,721,739                                      |
| 2009                          | \$46,000,000                        | \$16,792,828          | \$29,207,172                                      |
| 2010                          | \$43,000,000                        | \$13,085,279          | \$29,914,721                                      |
| 2011                          | \$49,400,000                        | \$8,574,608           | \$40,825,392                                      |
| 2012                          | \$49,004,147                        | \$2,846,016           | \$46,158,131                                      |
| 1/1 - 6/30/2012               | \$25,508,814                        | \$74,933              | \$25,433,881                                      |
| Total                         | 1,270,841,858                       | 836,255,903           | 434,585,955                                       |

#### II. Financial Position for USTIF as of June 30, 2013

The following table presents USTIF's estimated financial position as of June 30, 2013. The results are based on our ultimate loss and ALAE projections and the financial statement



information and projections provided by USTIF. Please see the Cash Flow and Actuarial Assumptions section of this report for more details.

| Financial Position at 6/30/2013 |               |                  |  |  |  |  |  |  |  |  |
|---------------------------------|---------------|------------------|--|--|--|--|--|--|--|--|
| (1)                             | (2)           | (3)              |  |  |  |  |  |  |  |  |
| Assets                          | Undiscounted  | Discounted at 4% |  |  |  |  |  |  |  |  |
| Cash and Invested Assets        | \$163,845,231 | \$163,845,231    |  |  |  |  |  |  |  |  |
| DCED Loan Receivable            | -             | -                |  |  |  |  |  |  |  |  |
| General Fund Loan Receivable    | 67,500,000    | 67,500,000       |  |  |  |  |  |  |  |  |
| Interest receivable on GF Loan  | 14,113,452    | 14,113,452       |  |  |  |  |  |  |  |  |
| Total Assets                    | 245,458,683   | 245,458,683      |  |  |  |  |  |  |  |  |
| Liabilities                     |               |                  |  |  |  |  |  |  |  |  |
| Outstanding Loss and ALAE       | 434,585,955   | 345,720,076      |  |  |  |  |  |  |  |  |
| Other Liabilities               | 6,853,134     | 6,853,134        |  |  |  |  |  |  |  |  |
| Total Liabilities               | 441,439,089   | 352,573,210      |  |  |  |  |  |  |  |  |
| Surplus / (Deficit)             | (195,980,406) | (107,114,527)    |  |  |  |  |  |  |  |  |

The discounted financial position only discounts the outstanding loss and ALAE expense. The interest rate of 4% used for discounting was provided by PA BSF. The discounting assumes that there are sufficient assets available which have suitably scheduled maturities and/or adequate liquidity to meet the assumed cash flow and investment requirements, which is not the case based on the current projections as the discounted position corresponds to a deficit.

We have been asked to evaluate the sensitivity of the results to the interest rate used for discounting. The total Surplus / (Deficit) based on interest rates of 3.5% and 4.5% are as follows:

|                     | Discounted at 3.5% | Discounted at 4.0% | Discounted at 4.5% |
|---------------------|--------------------|--------------------|--------------------|
| Surplus / (Deficit) | (116,321,436)      | (107,114,527)      | (98,347,641)       |



#### III. Recommendations Regarding USTIF Fees

On September 29, 2003 the Board established a fee setting objective that requires having positive Cash and Invested Assets for a projection period of at least five years. The following table presents the ten year cash flow projections under the current fee structure. The projections assume that the GF Loan will be renegotiated in 2014 and that future payments will consist of \$5.7mln per year beginning in fiscal year 2014/15. This GF Loan repayment scenario was provided by USTIF. Under these assumptions, the final GF Loan payment is expected to occur in fiscal year 2028/29. Our model predicts that the five year requirement for positive Cash and Invested Assets will be met under the current fee structure (Capacity / Throughput fees of \$.0825 / \$.011). In other words, no fee increases are necessary under the assumptions underlying this analysis and the Board's requirement that positive cash and invested assets be maintained over a five year time horizon. However, the deficit is expected to grow during this period.

|                          |   |                |                            | Cash Flow                                  | Table 1                |                       |   |                                     |                                   |
|--------------------------|---|----------------|----------------------------|--|------------------------|-----------------------|---|-------------------------------------|-----------------------------------|
|                          |   | Fee Stru       | cture: 0.0                 | )% Increase                                | e in Fees E            | Effective 1           | /1/2014                                     |                                     |                                   |
| All Values in \$000's    |   |                |                            |  |                        |                       |   |                                     |                                   |
| (1)                      | (2)                                     | (3)            | (4)                        | (5)  | (6)                    | (7)                   | (8)   | (9)                                 | (10)                              |
| Fiscal Year<br>Beginning | Initial<br>Cash &<br>Invested<br>Assets | Fee<br>Revenue | Loss &<br>ALAE<br>Payments | Investment<br>Income at<br>4% per<br>annum | Other<br>Cash<br>Flows | Total<br>Cash<br>Flow | Ending<br>Cash<br>and<br>Invested<br>Assets | Undiscounted<br>Year End<br>Deficit | Discounted<br>Year End<br>Deficit |
| 7/1/2013                 | 163,845                                 | 60,600         | (53,785)                   | 6,467                                      | (11,140)               | 2,142                 | 165,987                                     | (194,075)                           | (106,268)                         |
| 7/1/2014                 | 165,987                                 | 60,057         | (54,113)                   | 6,678                                      | (4,016)                | 8,606                 | 174,593                                     | (191,431)                           | (104,326)                         |
| 7/1/2015                 | 174,593                                 | 59,519         | (55,641)                   | 6,945                                      | (5,798)                | 5,025                 | 179,619                                     | (192,670)                           | (105,912)                         |
| 7/1/2016                 | 179,619                                 | 58,987         | (58,227)                   | 7,112                                      | (4,388)                | 3,484                 | 183,103                                     | (194,736)                           | (107,932)                         |
| 7/1/2017                 | 183,103                                 | 58,460         | (59,214)                   | 7,207                                      | (5,086)                | 1,368                 | 184,471                                     | (199,653)                           | (112,380)                         |
| 7/1/2018                 | 184,471                                 | 57,939         | (60,580)                   | 7,218                                      | (5,403)                | (0,827)               | 183,645                                     | (207,332)                           | (119,164)                         |
| 7/1/2019                 | 183,645                                 | 57,422         | (61,268)                   | 7,154                                      | (5,733)                | (2,424)               | 181,220                                     | (217,832)                           | (128,345)                         |
| 7/1/2020                 | 181,220                                 | 56,911         | (61,822)                   | 7,029                                      | (6,077)                | (3,959)               | 177,262                                     | (231,325)                           | (140,119)                         |
| 7/1/2021                 | 177,262                                 | 56,405         | (62,186)                   | 6,846                                      | (6,434)                | (5,368)               | 171,893                                     | (247,938)                           | (154,643)                         |
| 7/1/2022                 | 171,893                                 | 55,904         | (61,684)                   | 6,624                                      | (6,805)                | (5,961)               | 165,933                                     | (267,730)                           | (172,034)                         |
| 7/1/13 - 6/30/23         | 163,845                                 | 582,205        | (588,520)                  | 69,282                                     | (60,879)               | 2,088                 | 165,933                                     | (267,730)                           | (172,034)                         |

Please see the exhibit "Pro Forma 1.3 - Cash Flow" for the continuation of this projection through 6/30/2033. The Cash and Invested Assets are expected to remain positive through 6/30/2031.



We have been asked to evaluate the sensitivity of these results to the interest rate used for discounting. The total combined results for 7/1/13 - 6/30/23 based on interest rates of 3.5% and 4.5% are as follows:

|                             |   | Fee St         | ructure : 0                | 0.0% Increa          | se in Fee              | s Effectiv            | /e 1/1/201                                  | 4                                   |                                   |  |  |  |  |  |
|-----------------------------|---|----------------|----------------------------|----------------------|------------------------|-----------------------|---|-------------------------------------|-----------------------------------|--|--|--|--|--|
| All Values Shown in \$000's |   |                |                            |                      |                        |                       |   |                                     |                                   |  |  |  |  |  |
| (1)                         | (2)                                     | (3)            | (4)                        | (5)                  | (6)                    | (7)                   | (8)   | (9)                                 | (10)                              |  |  |  |  |  |
| Investment<br>Rate          | Initial<br>Cash &<br>Invested<br>Assets | Fee<br>Revenue | Loss &<br>ALAE<br>Payments | Investment<br>Income | Other<br>Cash<br>Flows | Total<br>Cash<br>Flow | Ending<br>Cash<br>and<br>Invested<br>Assets | Undiscounted<br>Year End<br>Deficit | Discounted<br>Year End<br>Deficit |  |  |  |  |  |
| 3.5%                        | 163,845                                 | 582,205        | (588,520)                  | 59,131               | (60,879)               | (8,063)               | 155,783                                     | (277,881)                           | (191,989)                         |  |  |  |  |  |
| 4.0%                        | 163,845                                 | 582,205        | (588,520)                  | 69,282               | (60,879)               | 2,088                 | 165,933                                     | (267,730)                           | (172,034                          |  |  |  |  |  |
| 4.5%                        | 163,845                                 | 582,205        | (588,520)                  | 79,910               | (60,879)               | 12,716                | 176,561                                     | (257,102)                           | (152,095                          |  |  |  |  |  |

The investment rates are applied to the cash and invested assets underlying column (5) of the table and to discount the unpaid loss and ALAE amounts underlying column (10) of the table. Although we have varied the investment rate, the GF Loan interest rate remains unchanged at 0.5% per annum.



#### IV. Alternative Fee Structures

As shown in the above cash flow projections, the deficit is expected to grow under the current fee structure. In order to ensure that the deficit does not grow over the ten year time horizon, the fees would have to be increased by approximately 10.7%. The cash flow projections under the revised fee structure (\$.0913 / \$.0122) are presented in the following table.

|                             |   |                |                            | Cash Flow                                  | Table 2                |                       |   |                                     |                                   |  |  |  |  |  |
|-----------------------------|---|----------------|----------------------------|--|------------------------|-----------------------|---|-------------------------------------|-----------------------------------|--|--|--|--|--|
|                             | Fee Stru                                | cture: 10      | 0.7% Increa                | ase in Fees                                | Effective              | 1/1/2014              | (\$.0913 /                                  | \$.0122)                            |                                   |  |  |  |  |  |
| All Values Shown in \$000's |   |                |                            |  |                        |                       |   |                                     |                                   |  |  |  |  |  |
| (1)                         | (2)                                     | (3)            | (4)                        | (5)  | (6)                    | (7)                   | (8)   | (9)                                 | (10)                              |  |  |  |  |  |
| Fiscal Year<br>Beginning    | Initial<br>Cash &<br>Invested<br>Assets | Fee<br>Revenue | Loss &<br>ALAE<br>Payments | Investment<br>Income at<br>4% per<br>annum | Other<br>Cash<br>Flows | Total<br>Cash<br>Flow | Ending<br>Cash<br>and<br>Invested<br>Assets | Undiscounted<br>Year End<br>Deficit | Discounted<br>Year End<br>Deficit |  |  |  |  |  |
| 7/1/2013                    | 163,845                                 | 63,840         | (53,785)                   | 6,532                                      | (11,140)               | 5,446                 | 169,292                                     | (190,771)                           | (102,964)                         |  |  |  |  |  |
| 7/1/2014                    | 169,292                                 | 66,478         | (54,113)                   | 6,939                                      | (4,016)                | 15,288                | 184,580                                     | (181,445)                           | (94,339)                          |  |  |  |  |  |
| 7/1/2015                    | 184,580                                 | 65,883         | (55,641)                   | 7,472                                      | (5,798)                | 11,916                | 196,496                                     | (175,792)                           | (89,034)                          |  |  |  |  |  |
| 7/1/2016                    | 196,496                                 | 65,294         | (58,227)                   | 7,913                                      | (4,388)                | 10,592                | 207,088                                     | (170,751)                           | (83,947)                          |  |  |  |  |  |
| 7/1/2017                    | 207,088                                 | 64,711         | (59,214)                   | 8,292                                      | (5,086)                | 8,703                 | 215,791                                     | (168,333)                           | (81,060)                          |  |  |  |  |  |
| 7/1/2018                    | 215,791                                 | 64,134         | (60,580)                   | 8,595                                      | (5,403)                | 6,745                 | 222,537                                     | (168,440)                           | (80,272)                          |  |  |  |  |  |
| 7/1/2019                    | 222,537                                 | 63,562         | (61,268)                   | 8,833                                      | (5,733)                | 5,394                 | 227,930                                     | (171,122)                           | (81,635)                          |  |  |  |  |  |
| 7/1/2020                    | 227,930                                 | 62,996         | (61,822)                   | 9,019                                      | (6,077)                | 4,116                 | 232,047                                     | (176,540)                           | (85,334)                          |  |  |  |  |  |
| 7/1/2021                    | 232,047                                 | 62,436         | (62,186)                   | 9,158                                      | (6,434)                | 2,975                 | 235,021                                     | (184,810)                           | (91,515)                          |  |  |  |  |  |
| 7/1/2022                    | 235,021                                 | 61,881         | (61,684)                   | 9,269                                      | (6,805)                | 2,661                 | 237,683                                     | (195,980)                           | (100,284)                         |  |  |  |  |  |
| 7/1/13 - 6/30/23            | 163,845                                 | 641,216        | (588,520)                  | 82,021                                     | (60,879)               | 73,838                | 237,683                                     | (195,980)                           | (100,284)                         |  |  |  |  |  |

An alternative to a one-time fee increase at 1/1/2014 would be level annual fee increases during the ten year period. The annual increase required to keep the deficit from growing is approximately 2.3%.



#### V. Projected Underwriting Income for TIIP

The projected TIIP underwriting income for the period 7/1/2013 through 6/30/2023 is presented in the following table. Based on these projections, the current fee schedule is not expected to generate sufficient revenue to cover projected losses and expenses for this 10 year period. The total fee revenue for the periods prior to 7/1/2013 is approximately \$3.6mln with total reported loss and paid ALAE expense for this period of approximately \$2.1mln. The total reported loss and paid ALAE expense has decreased by approximately \$250K since our 2012 review.

| TIIP Loss and Expense Projections |                  |                                |                        |                                      |  |  |  |  |  |  |  |  |  |
|-----------------------------------|------------------|--------------------------------|------------------------|--------------------------------------|--|--|--|--|--|--|--|--|--|
| Incurred by Fiscal Year           |                  |                                |                        |                                      |  |  |  |  |  |  |  |  |  |
| (1) (2) (3) (4) (5)               |                  |                                |                        |                                      |  |  |  |  |  |  |  |  |  |
| Fiscal Year                       | Total<br>Revenue | Estimated Total<br>Annual Cost | Underwriting<br>Income | Cumulative<br>Underwriting<br>Income |  |  |  |  |  |  |  |  |  |
| 7/1/13 - 6/30/14                  | 280,000          | 302,580                        | (22,580)               | (22,580)                             |  |  |  |  |  |  |  |  |  |
| 7/1/14 - 6/30/15                  | 280,000          | 312,213                        | (32,213)               | (54,793)                             |  |  |  |  |  |  |  |  |  |
| 7/1/15 - 6/30/16                  | 280,000          | 322,158                        | (42,158)               | (96,951)                             |  |  |  |  |  |  |  |  |  |
| 7/1/16 - 6/30/17                  | 280,000          | 332,424                        | (52,424)               | (149,374)                            |  |  |  |  |  |  |  |  |  |
| 7/1/17 - 6/30/18                  | 280,000          | 343,021                        | (63,021)               | (212,396)                            |  |  |  |  |  |  |  |  |  |
| 7/1/18 - 6/30/19                  | 280,000          | 353,962                        | (73,962)               | (286,358)                            |  |  |  |  |  |  |  |  |  |
| 7/1/19 - 6/30/20                  | 280,000          | 365,257                        | (85,257)               | (371,615)                            |  |  |  |  |  |  |  |  |  |
| 7/1/20 - 6/30/21                  | 280,000          | 376,918                        | (96,918)               | (468,534)                            |  |  |  |  |  |  |  |  |  |
| 7/1/21 - 6/30/22                  | 280,000          | 388,957                        | (108,957)              | (577,491)                            |  |  |  |  |  |  |  |  |  |
| 7/1/22 - 6/30/23                  | 280,000          | 401,387                        | (121,387)              | (698,878)                            |  |  |  |  |  |  |  |  |  |
| Total                             | 2,800,000        | 3,498,878                      | (698,878)              |                                      |  |  |  |  |  |  |  |  |  |

# Observations/Findings

The management of USTIF has initiated a number of cost containment initiatives and case reserving changes since 2003.

 An "early closing program" began in 2004 in which the PA BSF began working with the PA Department of Environmental Protection (DEP) to identify "stalled" sites and then putting them out for competitive bidding.



- A 60 day reporting requirement was instituted in 2003 (Pa Code 977.34) which requires that claims be filed with USTIF within 60 days after confirmation of the release or coverage will be denied.
- Fixed price contracts have been aggressively pursued since 2004. The process involves
  competitive bidding for the site assessment and remediation work. In addition to cutting
  costs, the use of fixed price contracts is expected to reduce the time required for claim
  closure.
- The EPA mandated tank upgrade (1998) and more frequent inspections by the DEP have served to reduce claim frequency. The mandated tank upgrade requires tank owners and operators to protect their tanks from corrosion and install spill-and-overflow prevention equipment. The owners and operators were given approximately ten years to comply with this requirement.
- USTIF modified its reserving philosophy in 2003. The current approach is to set-up a
  preliminary reserve of \$125K until claim eligibility is determined. Once eligibility is
  confirmed, the preliminary reserve is increased to \$175K. A more refined case reserve is
  then set within a year based on the specific circumstances of the claim.
- USTIF recently began tracking and reserving for long-term monitoring expenses
  associated with claims having an environmental covenant. These types of claims have
  Post Remedial Care Plans (PRCP) that could require site monitoring to be performed for
  a period of up to approximately 25 years. The case reserves for these expenses are set
  based on the frequency of monitoring events and the expected cost per event.

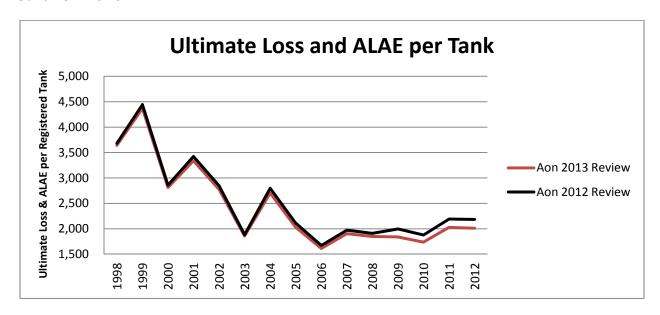
We have observed the following in our review of the data:

- Claim frequency has declined significantly since 1999. Although there is year-to-year variability, the frequency rate appears to have leveled off beginning approximately 2007/08. The number of filed claims during 2010 was especially low, whereas the last few years have filing rates more in line with 2007/08.
- There is evidence that claims are being closed more quickly and more recent periods have a higher percentage of paid loss to incurred loss compared to prior periods at the same age.
- The average expense cost per claim has been increasing. The PA BSF expects the increase in expense cost to lead to a reduction in indemnity costs (e.g., impact of fixed price contracts and early closing programs). There is evidence that the indemnity cost levels have been impacted favorably. We will continue to monitor the indemnity losses as they mature and evaluate the impact.
- USTIF experienced better than expected loss experience during the last twelve months. For instance, there was approximately \$15mln less reported loss than expected for the period 2003-2012 (approximately \$6mln less paid loss and expense). The graph below



shows a comparison of the current ultimate loss and ALAE estimates to those from one year ago.

The following graph presents a comparison the ultimate loss estimates to the estimates in our June 2012 review.





# IV.Program Description

Pennsylvania's Underground Storage Tank Indemnification Fund began operation in February of 1994 with the purpose of assisting Pennsylvania tank owners in meeting their financial responsibilities due to releases of regulated substances from underground storage tanks.

The fund covers corrective action and third party liability costs on eligible claims for \$1,500,000 above a \$5,000 deductible per tank, per occurrence. Claim payments are limited to \$1,500,000 per occurrence with an aggregate limit of \$1,500,000 or \$3,000,000, depending on whether an owner or operator has less than or more than 100 USTs, respectively. Prior to 1/2002, the limit was \$1,000,000 and prior to 1/1995, the deductible was \$10,000.

The Bureau of Special Funds sustains the operation of USTIF by means of the throughput and capacity fees paid by UST owners and operators, as well as the income generated from the investment of assets. The current throughput and capacity fees are \$0.011 per gallon and \$0.0825 per gallon, respectively. For the throughput fees, each distributor must assess the fee on regulated substance deliveries to regulated USTs. The bulk of throughput fees are generated by gasoline deliveries. For the capacity fee, the owner or operator of USTs storing heating oil, diesel fuel, kerosene, and used motor oil products must pay the annual fee per gallon of tank capacity. These fees have varied over time.

The Bureau of Special Funds also operates the Tank Installers' Indemnification Program to cover the financial liabilities for all certified Pennsylvania tank installers. TIIP went into effect on January 1, 2002. The same coverage as the tank owners is provided for installers. The current TIIP fee structure consists of activity and company fees. All certified companies must pay an annual fee of \$1,000. Activity fees are \$15 for tank removals and \$50 for installations or modifications.

The actuarial analysis for USTIF is in the main section of our review. The actuarial analysis for TIIP is provided in the Appendix.



### V. Data

Our analysis was performed using historical loss and exposure information provided by USTIF and their third party claims administrator, ICF Consulting. It's our understanding that the loss data provided was net of all applicable limits and deductibles.

The data used in our analysis included the following:

#### **USTIF Data**

- Paid and incurred loss triangles valued as of 6/30/2013
- Paid ALAE expense triangles valued as of 6/30/2013
- Open, closed and reported claim count triangles valued as of 6/30/2013
- Detailed listing of fixed price contracts
- Detailed claims listing underlying the triangles and valued as of 6/30/2013
- Fee history and number of registered tanks by year
- Financial Statements as of June 30, 2013
- Investment income and growth rate assumptions
- GF Loan repayment schedules
- Expected future ICF consulting costs
- Detailed listing of claims with Post Remedial Care (PRC) requirements valued as of 6/30/2013

Note: The paid PRC costs are included in both the data triangles and detailed loss runs. The PRC case reserves are only included in the data triangles and detailed loss runs if they correspond to open claims. ICF has indicated that the Fund has agreed to keep claims open that have PRC activity more frequently than once a year. The detailed listing of PRC claims provided by ICF includes the paid and incurred values for all known claims with a PRC component.

#### **TIIP Data**

- Detailed listing of all TIIP claims valued as of 6/30/2013
- Historical fee revenue by fiscal year
- Number of installations, major modifications & tank removals/closures by year



- Projected number of certified companies for 2013/14
- Projected Unallocated Loss Adjustment Expense (ULAE) for 2013/14
- Expected growth rate assumptions for revenue and exposures



# VI. Actuarial Analysis

### Overview

This analysis applies multiple actuarial reserving methods to arrive at a range of ultimate loss or ALAE indications by policy period. A final ultimate loss or ALAE estimate is selected based on a review of the indications under the methods considering the strengths and weaknesses of each method and the circumstances surrounding the data. Specifically, we employed the following actuarial methods:

- Paid Development Method (Loss and ALAE)
- Incurred Development Method (Loss Only)
- Reported Claim Count Development Method
- Incurred Generalized Cape Cod Method (Loss Only)
- Paid Generalized Cape Cod Method (Loss and ALAE)

A brief description of each method is provided in the following paragraphs.

### Methods/Models of Estimating Unpaid Loss and ALAE Expense

#### **Development Methods**

The distinguishing characteristic of the development method is that ultimate estimates for each period are produced from recorded values assuming that future claims' development is similar to prior years' development. In this method, development triangles are used to track the development history of a specific group of claims. The underlying assumption in the development technique is that claims recorded to date will continue to develop in a similar manner in the future. That is, the development technique assumes that the relative change in a given year's claims from one evaluation point to the next is similar to the relative change in prior years' claims at similar evaluation points.

An implicit assumption in the development technique is that, for an immature policy year, the claims activity observed thus far tells you something about the claims activity yet to be observed. As a result, the development method is considered a method that is responsive to the known claims data. For instance, the paid development method tends to give a very high (or very low) estimate for an immature year with a very high (or very low) volume of payments. Other important assumptions of the development method include: consistent claim processing, a stable mix of types of claims, stable policy limits, and stable reinsurance (or excess insurance) retention limits throughout the experience period.

The development method is implemented using the following steps:



- 1. Compile the claims data in a development triangle to compare the movements in each prior period's data at equal age intervals.
- 2. Calculate Age-to-Age factors at each age for the historical periods.
- 3. Review the factors at each age and select the age factors that will apply in the future.
- 4. Select a tail factor that represents the development that will occur beyond the age horizon provided by the historical data.
- 5. Calculate the cumulative development factors ("Age-to-Ultimate" factors) by combining the incremental Age-to-Age factors.
- 6. Apply the Age-to-Ultimate factors to the claims data at the current valuation to arrive at the ultimate estimates.

#### **Generalized Cape Cod Method**

As discussed above, the development methods can be very responsive to the claims data. This may not be a desirable characteristic for immature years in which the claims data does not provide predictive value. This is particularly true for long-tailed lines of business such as environmental coverage types which are typically slow to develop. An alternative approach which is not responsive to the claims data would be to assume an a priori or predetermined ultimate outcome until the policy period's data becomes predictive. ("Expected Method").

The Generalized Cape Cod (GCC) Method can be thought of as a mixture of the Expected and Development approaches. The GCC method splits the ultimate estimate into two components: the known component and the expected unknown component. The split between the known and unknown components is determined by the development patterns identified in the development method. The inclusion of the expected unknown component adds stability to the method and the split based on the development pattern serves to add more or less stability based on the expected predictive value of the loss data.

The unknown component is estimated by combining the development method ultimate estimates from "nearby" periods after adjustments are made for differences in exposure and cost levels. For instance, the differences could be due to inflation, coverage changes or other environmental factors. When the GCC method is implemented, the weight given to nearby periods in the calculation of the unknown component is controlled by the value assigned to the Cape Cod decay factor. The differences in exposure and cost levels are controlled through the use of an exposure proxy and trend index.

# Cash Flow and Actuarial Assumptions

The main assumptions of our USTIF cash flow and actuarial analyses follow; please see the Description of Appendix Exhibits section for details on the TIIP analysis.



- The future throughput revenue is difficult to project given the recent fluctuations in the price of oil, which along with the overall state of the economy affects the consumption of petroleum products. Our assumptions are based on the Energy Information Administration's (EIA) review of the Middle Atlantic projected motor gasoline consumption growth rate. The EIA provides an annual energy outlook which projects the consumption growth rate under a number of scenarios. Based on a review of the results, we have selected a long-term negative growth rate of 1.0%. The 2013/14 throughput revenue is expected to be \$54.3mln based on a review of the historical information and discussions with USTIF.
- The future number of registered tanks is expected to grow at a rate of 0% based on discussions with USTIF. As a result, the capacity fee growth rate is also assumed to be 0% in the absence of fee increases. The 2013/14 capacity fee revenue is expected to be \$6.3mln based on a review of the historical information and discussions with USTIF.
- The return on cash and invested assets is assumed to be 4% based on discussions with USTIF. We have also evaluated the sensitivity of the results to an increase or decrease in this rate of 0.5%.
- The Department of Community and Economic Development (DCED) loan balance is now \$0
- There is uncertainty regarding the principal repayment plan for the General Fund loan. The current expectation is that the GF loan will be renegotiated in 2014 and that future payments will begin to be made during fiscal year 2014/15. Our model assumes \$5.7mln will be paid per year beginning in 2014. The terms of this possible repayment scenario were provided by USTIF. The interest rate applied to the outstanding loan balance and the interest receivable is assumed to be 0.5%. This rate is tied to a Treasury Fund and was provided by PA BSF.
- The expense trend rate applicable to both claims administration and other expenses is assumed to be 4% based on discussions with USTIF. The other expense cost expectations for 2013/14 were selected based on a review of the financial statements and discussions with USTIF. Claims administration cost projections are discussed below.
- The income and cash flow analyses include an item titled "DEP Assistance". These expected payments are a result of Senate Bill 722 passed in 2005. Section 5 of the Act reads "The department may request the board to reimburse the department up to \$3mln annually for its cost related to investigating, determining responsibility, overseeing remediation and third party response and closing out cases of spills and leaks related to storage tanks beginning in fiscal year 2007-2008." There is considerable uncertainty in the expected payments related to this Bill due to their dependence on factors such as the number of claims, number of grants applied for, and the amount of money received from the General Fund. In recent years, the bulk of the DEP Assistance payments have fallen under the base allocation (sections 710 (b)(b.1)(b.2) of the Act) and investigation and closure allocation (section 713 (a)) categories. The assistance in these categories is



not to exceed \$5.5mln and \$3.0mln, respectively. Based on discussions with USTIF, we have made the following assumptions: the DEP Assistance for 2013/14 is projected to be approximately \$5.7mln with a trend of approximately 2% per annum for subsequent years. The trend rate reflects the caps applicable to the base allocation and investigation and closure allocation categories.

- Our pro forma balance sheet includes a liability titled "other liabilities" which captures the
  estimated liability created by USTIF's four week lag in processing payments. The liability
  is set equal to 7.8% of the loss and ALAE payments for the prior twelve month period,
  with an additional provisional for other amounts payable (e.g., DEP Assistance).
- USTIF provided estimated annual claims administration costs for the period 7/1/2013 through the end of our projection period. The latest agreement with their TPA, ICF Consulting, has an effective date of 1/2007. Under that contract, ICF received a per claim payment for each open file ("takeover fee"). ICF was then entitled to additional takeover fees paid every other year based on the number of claims remaining open. These fees are in addition to vendor fees received for claim closures, new claims assigned and other administrative and miscellaneous charges. The impact of the takeover fees on TPA costs is that the costs will tend to be higher one year and then drop the following year with this two year pattern repeating. The estimated annual claims administration costs provided by USTIF follow this pattern out through the 2017 contract end date with each two year block repeating. Subsequently, a 4% annual expense trend is applied through the end of the projection period. USTIF is currently in the middle of a request for proposal process for TPA services. Although that process could ultimately impact future TPA fees, the impact is not predictable at this time.
- The prospective frequency and severity trends were selected based on a review of the trends in the historical data and our actuarial estimates. The selected trend rates are as follows: claim frequency trend is 0%, loss severity trend is +3.0% and ALAE severity trend is +4.0%. These trend rates are applied to the selected 2013/14 claim severities and frequency rate to give the future loss and ALAE projections. Please see Pro Form Exhibit 8 for more details.
- The "other cash" item in the cash flow analysis represents recovery amounts from subrogation and Federal EPA / Coast Guard funds (catastrophic release sites). These values tend to vary quite a bit from year to year. For purposes of our analysis, we have assumed \$150,000 of other cash per year throughout the projection period. These values were selected based on discussions with USTIF and are intended to be placeholders which do not materially impact the results of our analysis.
- The estimates in this report include a provision for long-term monitoring expenses associated with claims having an environmental covenant. These types of claims have Post Remedial Care Plans (PRCP) that could require site monitoring to be performed for a period of up to approximately 25 years. We have discussed this exposure with management and the Fund's third party administrator. USTIF and ICF are now tracking these costs and setting up case reserves. Please see the Data section and Exhibit 29 for more details.



# VII. Description of Exhibits

# Description of Exhibits - USTIF

In this section, we provide a description of the exhibits that support the USTIF loss and ALAE expense estimates. The exhibit discussion is presented in reverse order to match the natural flow of our analysis from data to estimates.

#### <u>Data Summary - Post Remedial Care Costs</u> (Exhibit 29)

Exhibit 29.1 summarizes the PRC costs by policy period and claim status. As noted in the data section, unlike PRC payments, the PRC case reserves associated with closed claims are not included in the main claims data. The additional PRC loss dollars for closed claims are considered in Exhibit 2 when we evaluate the incurred loss indications.

Exhibit 29.2 summarizes the PRC costs by PRC year. The PRC year is assigned based on the PRC agreement date.

#### **Data Summary – Fixed Price Contracts Through Close (Exhibit 28)**

Exhibit 28 summarizes the number of fixed price contracts for each policy year. The counts shown are the incremental number of fixed price contracts entered into as of each age based on the contract date of each agreement. For instance, the year 2 value for 2005 represents the number of fixed price contracts entered into during the period from 1/1/2006 through 12/31/2006. Only fixed price contracts expected to result in claim closure are included in this exhibit.

#### Data Summary - Loss, ALAE Expense and Claim Counts (Exhibits 25 through 27)

Exhibit 27 provides a summary of the claim count data by status type as of 6/30/2013. The total number of claims has been at a lower level in recent periods. According to USTIF, some possible drivers of this decrease are the mandatory tank upgrade instituted in 1998, more frequent inspections by the DEP and the 60 day reporting requirement which began in 2003.

The total number of open claims at recent valuation dates is presented in Exhibit 26. The number of open claims as of each valuation date has been decreasing since 2006. The decrease appears to be driven by USTIF's transition to fixed-priced contracts as well as the effects of the early closing program that started in 2004. Under the latter, USTIF works with the DEP to identify "stalled" sites and then puts them out for competitive bidding.

Exhibit 25 summarizes the loss and ALAE expense data as of 6/30/2013. Both paid and case incurred loss is summarized. USTIF does not set case reserves for ALAE, so only paid ALAE expense is data is summarized.

#### Data Summary - Supplemental Data Triangles (Exhibits 16 through 24)

Exhibits 16 through 24 present the following data triangles:



- Average Paid ALAE per Reported Claim (Exhibit 24)
- Ratio of Paid ALAE to Paid Loss (Exhibit 23)
- Average Case Outstanding Loss per Open Claim (Exhibit 22)
- Average Paid Loss per Closed Claim (Exhibit 21)
- Average Incurred Loss per Reported Claim (Exhibit 20)
- Ratio of Closed to Reported Claim Counts (Exhibit 19)
- Ratio of Paid Loss to Incurred Loss (Exhibit 18)
- Open Claim Counts (Exhibit 17)
- Closed Claim Counts (Exhibit 16)

#### **Development Factors (Exhibits 11 through 15)**

Exhibits 12 through 15 provide our review of the historical loss, ALAE expense and claim count development patterns. Age-to-Age development factors are selected at each age based on a review of the data and our actuarial judgment. Age-to-Ultimate factors are then computed by combining the Age-to-Age factors multiplicatively. The specific reviews are as follows:

- Paid ALAE Expense Development Factors (Exhibit 15)
- Reported Claim Count Development Factors (Exhibit 14)
- Paid Loss Development Factors (Exhibit 13)
- Incurred Loss Development Factors (Exhibit 12)

Exhibit 11 summarizes the selected cumulative development factors based on these reviews.

#### **Generalized Cape Cod Method - Paid ALAE (Exhibit 10)**

Exhibit 10 presents the estimated ultimate ALAE using the GCC method applied to the paid ALAE expense. We use the ultimate loss estimates from Exhibit 2 as the exposure proxy for this analysis. The exposure proxy is adjusted for the change in exposure associated with the coverage limit increase occurring in 2002. This adjustment is based on an increased limit adjustment factor (ILF) selected based on a review of the available data.

#### Paid ALAE Development Method (Exhibit 9)



The paid ALAE development method is presented in Exhibit 9. The paid ALAE development factors at each age are multiplied by the actual paid ALAE as of 6/30/2013 to estimate the ultimate ALAE expense.

#### **Summary of Ultimate ALAE Indications (Exhibit 8)**

Exhibit 8 summaries the estimated ultimate ALAE using the Paid Development method and the Cape Cod method. The ultimate ALAE expense is then selected by policy period based on a review of the indications and our actuarial judgment.

#### Reported Claim Count Development Method (Exhibit 7)

The Reported Claim Count Development method is presented in Exhibit 7. The claim count development factors at each age are multiplied by the actual claim counts as of 6/30/2013 to estimate the ultimate number of claims. Policy periods are on a claims-made basis, so only the most recent period is subject to development. The ultimate number of claims is used as the exposure proxy for the Generalized Cape Cod loss methods.

#### **Generalized Cape Cod Method - Paid Loss (Exhibit 6)**

Exhibit 6 presents the estimated ultimate loss using the GCC method applied to paid loss. We use the ultimate claim count estimates from Exhibit 7 as the exposure proxy for this analysis. The exposure proxy is adjusted for the change in exposure associated with the coverage limit increase occurring in 2002. This adjustment is based on an increased limit adjustment factor selected based on a review of the available data.

#### **Generalized Cape Cod Method - Reported Loss (Exhibit 5)**

Exhibit 5 presents the estimated ultimate loss using the GCC method applied to reported loss. We use the ultimate claim count estimates from Exhibit 7 as the exposure proxy for this analysis. The exposure proxy is adjusted for the change in exposure associated with the coverage limit increase occurring in 2002. This adjustment is based on an increased limit adjustment factor selected based on a review of the available data.

#### Paid Loss Development Method (Exhibit 4)

The Paid Loss Development method is presented in Exhibit 4. The paid loss development factors at each age are multiplied by the actual paid loss as of 6/30/2013 to estimate the ultimate loss.

#### **Incurred Loss Development Method (Exhibit 3)**

The Incurred Loss Development method is presented in Exhibit 3. The incurred loss development factors at each age are multiplied by the actual incurred loss as of 6/30/2013 to estimate the ultimate loss.

#### **Summary of Ultimate Loss Indications (Exhibit 2)**



Exhibit 2 summaries the estimated ultimate loss using the Development methods and the GCC methods. The ultimate loss is then selected by policy period based on a review of the policy year indications and our actuarial judgment.

#### Summary of Estimated Loss and ALAE Expense Reserves (Exhibit 1)

Exhibit 1(a) summarizes the ultimate loss estimates and presents the corresponding paid, unpaid, reported and unreported loss components. Exhibit 1(b) summarizes the ultimate ALAE expense estimates and presents the corresponding paid and unpaid expense components.

# Description of Pro Forma Exhibits - USTIF

In this section, we provide a description of the exhibits that support the balance sheet, income statement and cash flow statement as of June 30, 2013 and the subsequent twenty year financial projections.

#### Paid Loss & ALAE (Pro Forma 13)

Pro Forma 13 provides a summary of the paid loss, paid ALAE and the combined total by policy period. The values shown are taken directly from Exhibit 25.

#### Summary of Estimated Ultimate Loss & ALAE (Pro Forma 12)

Pro Forma 12 provides a summary of the estimated ultimate loss, estimated ultimate ALAE and the combined total by policy period. The values shown are taken directly from Exhibit 2 and Exhibit 8.

#### Estimated Payment Pattern (Pro Forma 10 and Pro Forma 11)

Pro Forma Exhibit 11 presents our review of the historical loss & ALAE payments. The payment percentages shown in the bottom triangle are stated relative to the ultimate loss and ALAE for each policy period. The selected payment pattern is based on a review of the data values and our professional judgment. The selected pattern is summarized in Pro Forma Exhibit 10. An interpolated pattern is also presented for ages other than those presented in Pro Forma Exhibit 11.

#### <u>Frequency and Severity Trend Selections (Pro Forma 9)</u>

Pro Forma Exhibit 9 presents the historical claim frequency, average loss severity and average ALAE severity values implied by our estimates. Trend rates are selected based on a review of the empirical trends and our professional judgment. The selected trend rates are used to project ultimate loss and ALAE for the future periods.

#### **Projected Ultimate Loss & ALAE for Future Periods (Pro Forma 7 and Pro Forma 8)**



Pro Forma Exhibit 8 presents the selection of the 2013/14 ultimate claim frequency, ultimate loss severity and ultimate ALAE severity. The selections are based on a review of the historical statistics trended to 2013/14 frequency and cost levels.

Pro Forma Exhibit 7 presents the loss and ALAE projections for the period July 1, 2013-14 through July 1, 2032-33. The projections are based on the assumptions in Pro Forma Exhibit 8 and Pro Forma Exhibit 9.

#### Projected Payments for Unpaid Loss and ALAE at 6/30/2013 (Pro Forma 3 & Pro Forma 5)

Pro Forma Exhibit 5 computes the loss and ALAE payment patterns for each historical period based on the payment patterns selected in Pro Forma Exhibit 10. Pro Forma Exhibit 3 applies these patterns to the unpaid loss as of 6/30/2013 to project the payment streams for the unpaid loss and ALAE as of 6/30/2013.

#### Projected Payments of Loss and ALAE for Future Periods (Pro Forma 4 & Pro Forma 6) )

Pro Forma Exhibit 6 computes the loss and ALAE payment patterns for each future period based on the payment patterns presented in Pro Forma Exhibit 10. Pro Forma Exhibit 4 applies these patterns to the future loss and ALAE projections to estimate the payment streams for the loss and ALAE associated with the future exposure periods.

#### Fee Revenue Summary and Projections (Pro Forma 2)

Pro Forma Exhibit 2 summarizes the capacity fees and throughput fees for the historical years. The fees are then restated at current rate levels. Based on review of these values, the 2013/14 expected revenue level is selected.

#### Cash Flow Statement (Pro Forma 1.3)

Pro Forma Exhibit 1.3 provides the Cash Flow Statements for fiscal year beginning July 1, 2013 through July 1, 2032 based on our analysis. The projections assume that 1) the current fee structure will be in effect during the entire period and 2) the GF Loan will be renegotiated in 2014 and that future payments will consist of \$5.7mln per year beginning in fiscal year 2014/15. Under these assumptions, the final GF Loan payment is expected to occur in fiscal year 2028/29. A summary of the results under other fee structures are included in the Executive Summary.

#### **Income Statement (Pro Forma 1.2)**

Pro Forma Exhibit 1.2 provides the Income Statements for each fiscal year beginning July 1, 2013 through July 1, 2032 based on our analysis. The projections assume that 1) the current fee structure will be in effect during the entire period and 2) the GF Loan will be renegotiated in 2014 and that future payments will consist of \$5.7mln per year beginning in fiscal year 2014/15. Under these assumptions, the final GF Loan payment is expected to occur in fiscal year 2028/29. A summary of the results under other fee structures are included in the Executive Summary.



#### **Balance Sheet (Pro Forma 1.1)**

Pro Forma Exhibit 1.1 provides the Balance Sheet Statements for each fiscal year ending June 30, 2013 through June 30, 2033 based on our analysis. The projections assume that 1) the current fee structure will be in effect during the entire period and 2) the GF Loan will be renegotiated in 2014 and that future payments will consist of \$5.7mln per year beginning in fiscal year 2014/15. Under these assumptions, the final GF Loan payment is expected to occur in fiscal year 2028/29. A summary of the results under other fee structures are included in the Executive Summary.

### Description of Appendix Exhibits - TIIP

In this section, we provide a description of the exhibits that support the projected annual TIIP underwriting income for the ten year period beginning July 1, 2013.

#### **Exposure Summary (Appendix Exhibit 6)**

Appendix Exhibit 6 summarizes the historical fee revenue and the number of tank removals, modifications and installations by period. The number of activities is projected for the 2013/14 period based on a review of the data and discussions with TIIP representatives.

#### **Summary of Claims Data (Appendix Exhibit 5)**

Appendix Exhibit 5 provides a summary of the detailed TIIP claims data valued as of June 30, 2013. There have been twenty six filed claims since 2002 with eight claims open or on appeal. The total reported loss & paid ALAE expense is approximately \$2.1mln, which represents a decrease of approximately \$247K compared to the June 2012 totals.

#### Estimated Loss Rate (Appendix Exhibit 4)

Appendix Exhibit 4 provides the support for our selected 2013/14 loss rate. The loss rate represents the expected ultimate loss per installed tank for the 2013/14 policy year. The estimation procedure is based on methods similar to those used in the USTIF analysis. Once the ultimate loss estimates are derived by policy year, they are trended to adjust for differences in cost levels and expressed relative to the exposure base (number of installed tanks). The 2013/14 loss rate is selected based on a review of the indications and our professional judgment.

#### Revenue Projections for 2013/14 (Appendix Exhibit 3)

The projected revenue for 2013/14 is based on the current fee structure and the projected number of activities / licensed companies is presented in Appendix Exhibit 3.

#### **Loss and Expense Projections (Appendix Exhibit 2)**

Appendix Exhibit 2 presents the loss and expense projections for the period 7/1/2013 through 6/30/2023. The number of tanks installed is expected to trend forward at 0% based on



discussions with TIIP representatives. The loss estimates are based on the loss rate selected in Appendix Exhibit 4. The annual ALAE expense costs are assumed to be at the same levels (relative to loss) as those implied in the USTIF projections. The estimated ULAE expense expectations were provided by TIIP.

#### **Summary of Results (Appendix Exhibit 1)**

The revenue and loss and expense projections are combined and summarized in Appendix Exhibit 1.



# VIII. Exhibits



#### USTIF Loss Fund Experience at 6/30/2013 Balance Sheet (Under Current Fee Structure)

| (1)   | (2)           | (3)                      | (4)                     | (5)             | (6)           | (7)           | (8)           | (9)           | (10)          | (11)          | (12)          |
|---|---------------|--------------------------|-------------------------|-----------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|
| aso   | of: 6/30/13   | 6/30/14                  | 6/30/15                 | 6/30/16         | 6/30/17       | 6/30/18       | 6/30/19       | 6/30/20       | 6/30/21       | 6/30/22       | 6/30/23       |
| Cash & Invested Assets DCED Loan Receivable       | 163,845,231   | 165,987,202              | 174,593,476             | 179,618,921     | 183,103,043   | 184,471,112   | 183,644,607   | 181,220,280   | 177,261,561   | 171,893,331   | 165,932,764   |
| General Fund Loan Receivable                      | 67,500,000    | 67,500,000               | 61,800,000              | 56,100,000      | 50,400,000    | 44,700,000    | 39,000,000    | 33,300,000    | 27,600,000    | 21,900,000    | 16,200,000    |
| Interest Receivable on GF Loan                    | 14,113,452    | 14,521,519               | 14,917,377              | 15,286,714      | 15,629,397    | 15,945,294    | 16,234,271    | 16,496,192    | 16,730,923    | 16,938,328    | 17,118,269    |
| Total Assets                                      | 245,458,683   | 248,008,721              | 251,310,853             | 251,005,635     | 249,132,441   | 245,116,407   | 238,878,878   | 231,016,472   | 221,592,484   | 210,731,658   | 199,251,034   |
| Loss Outstanding                                  | 434,585,955   | 433,888,790              | 434,521,123             | 435,335,183     | 435,326,823   | 436,151,007   | 437,485,861   | 440,069,312   | 444,095,479   | 449,818,785   | 458,170,101   |
| Other Liabilities                                 | 6,853,134     | 8,195,256                | 8,220,828               | 8,340,006       | 8,541,718     | 8,618,688     | 8,725,249     | 8,778,879     | 8,822,144     | 8,850,494     | 8,811,323     |
| Total Liabilities                                 | 441,439,089   | 442,084,046              | 442,741,951             | 443,675,189     | 443,868,541   | 444,769,695   | 446,211,110   | 448,848,191   | 452,917,624   | 458,669,279   | 466,981,424   |
| Undiscounted Surplus (Deficit)                    | (195,980,406) | (194,075,325)            | (191,431,098)           | (192,669,554)   | (194,736,100) | (199,653,289) | (207,332,232) | (217,831,719) | (231,325,139) | (247,937,621) | (267,730,391) |
| Discount in Loss Outstanding (4%)                 | 88,865,879    | 87,807,012               | 87,105,578              | 86,757,992      | 86,803,997    | 87,272,844    | 88,168,333    | 89,486,745    | 91,205,924    | 93,294,337    | 95,696,105    |
| Discounted Surplus (Deficit)                      | (107,114,527) | (106,268,313)            | (104,325,520)           | (105,911,562)   | (107,932,103) | (112,380,445) | (119,163,899) | (128,344,973) | (140,119,215) | (154,643,284) | (172,034,286) |
| as (  | of:           | 6/30/24                  | 6/30/25                 | 6/30/26         | 6/30/27       | 6/30/28       | 6/30/29       | 6/30/30       | 6/30/31       | 6/30/32       | 6/30/33       |
|   |               | 0,00,2                   | 0.00.20                 | 0.00.20         | 0,00,2.       | 0.00.20       | 0.00.20       | 0.00.00       | 0,00,01       | 0.00.02       | 0.00.00       |
| Cash & Invested Assets                            |               | 158,132,332              | 148,787,485             | 137,234,419     | 122,696,620   | 105,526,834   | 84,606,645    | 54,447,697    | 20,110,229    | (18,714,036)  | (62,323,310)  |
| DCED Loan Receivable General Fund Loan Receivable |               | 40.500.000               | 4 000 000               | -               | -             | -             | -             | -             | -             | -             | -             |
| Interest Receivable on GF Loan                    |               | 10,500,000<br>17,270,611 | 4,800,000<br>17,395,214 | -<br>16,591,940 | 10,960,650    | 5,301,203     | -             | -             | -             | -             | -             |
| Total Assets                                      |               | 185,902,943              | 170,982,699             | 153,826,359     | 133,657,270   | 110,828,037   | 84,606,645    | 54,447,697    | 20,110,229    | (18,714,036)  | (62,323,310)  |
| Total / toocto                                    |               | 100,002,040              | 170,002,000             | 100,020,000     | 100,007,270   | 110,020,007   | 04,000,040    | 04,447,007    | 20,110,220    | (10,7 14,000) | (02,020,010)  |
| Loss Outstanding                                  |               | 468,026,749              | 479,830,501             | 493,073,999     | 507,168,413   | 522,575,575   | 538,733,065   | 555,453,157   | 572,825,209   | 590,807,925   | 609,385,411   |
| Other Liabilities                                 |               | 8,864,972                | 8,889,581               | 8,959,358       | 9,080,837     | 9,172,251     | 9,313,685     | 9,476,109     | 9,638,117     | 9,810,109     | 9,990,323     |
| Total Liabilities                                 |               | 476,891,721              | 488,720,082             | 502,033,357     | 516,249,249   | 531,747,826   | 548,046,749   | 564,929,266   | 582,463,325   | 600,618,034   | 619,375,734   |
| Undiscounted Surplus (Deficit)                    |               | (290,988,777)            | (317,737,383)           | (348,206,998)   | (382,591,979) | (420,919,789) | (463,440,105) | (510,481,569) | (562,353,096) | (619,332,070) | (681,699,044) |
| Discount in Loss Outstanding (4%)                 |               | 98,357,050               | 101,235,271             | 104,288,854     | 107,496,669   | 110,840,057   | 114,302,017   | 117,880,551   | 121,576,237   | 125,389,334   | 129,321,937   |
| Discounted Surplus (Deficit)                      |               | (192,631,728)            | (216,502,112)           | (243,918,144)   | (275,095,311) | (310,079,732) | (349,138,088) | (392,601,017) | (440,776,859) | (493,942,736) | (552,377,107) |



#### USTIF Loss Fund Experience at 6/30/2013 Income Statement (Under Current Fee Structure)

| (1)   | (2)  | (3)  | (4)  | (5)  | (6)  | (7)  | (8)  | (9)  | (10)   | (11)   | (12)  |
|---|--|--|--|--|--|--|--|--|--|--|---|
| Fiscal Year Beginning:  | 7/1/13   | 7/1/14   | 7/1/15   | 7/1/16   | 7/1/17   | 7/1/18   | 7/1/19   | 7/1/20   | 7/1/21   | 7/1/22   |   |
| Capacity Fee Revenue Throughput Fee Revenue Subtotal                | 6,300,000<br>54,300,000<br>60,600,000                      | 6,300,000<br>53,757,000<br>60,057,000                      | 6,300,000<br>53,219,430<br>59,519,430                      | 6,300,000<br>52,687,236<br>58,987,236                      | 6,300,000<br>52,160,363<br>58,460,363                      | 6,300,000<br>51,638,760<br>57,938,760                      | 6,300,000<br>51,122,372<br>57,422,372                      | 6,300,000<br>50,611,148<br>56,911,148                      | 6,300,000<br>50,105,037<br>56,405,037                      | 6,300,000<br>49,603,987<br>55,903,987                      |   |
| Incurred Losses & ALAE Claim Administration Other Expenses Subtotal | (53,088,167)<br>(3,900,000)<br>(1,690,000)<br>(58,678,167) | (54,745,511)<br>(2,300,000)<br>(1,757,600)<br>(58,803,111) | (56,455,163)<br>(3,900,000)<br>(1,827,904)<br>(62,183,067) | (58,218,795)<br>(2,300,000)<br>(1,901,020)<br>(62,419,815) | (60,038,136)<br>(2,800,000)<br>(1,977,061)<br>(64,815,197) | (61,914,968)<br>(2,912,000)<br>(2,056,143)<br>(66,883,112) | (63,851,133)<br>(3,028,480)<br>(2,138,389)<br>(69,018,002) | (65,848,531)<br>(3,149,619)<br>(2,223,925)<br>(71,222,075) | (67,909,125)<br>(3,275,604)<br>(2,312,882)<br>(73,497,611) | (70,034,944)<br>(3,406,628)<br>(2,405,397)<br>(75,846,969) |   |
| Underwriting Income   | 1,921,833  | 1,253,889  | (2,663,637)  | (3,432,580)  | (6,354,834)  | (8,944,352)  | (11,595,630)   | (14,310,926)   | (17,092,574)   | (19,942,982)   |   |
| DCED Loan Interest Payments<br>Interest Receivable on GF Loan       | -<br>408,067   | -<br>395,858   | -<br>369,337   | -<br>342,684   | -<br>315,897   | -<br>288,976   | -<br>261,921   | 234,731  | 207,405  | -<br>179,942   |   |
| DEP Assistance  | (5,700,000)  | (5,808,000)  | (5,920,320)  | (6,037,133)  | (6,158,618)  | (6,284,963)  | (6,416,361)  | (6,553,016)  | (6,695,136)  | (6,842,942)  |   |
| Investment Income   | 6,467,303  | 6,678,053  | 6,945,341  | 7,112,195  | 7,207,336  | 7,217,955  | 7,154,213  | 7,029,056  | 6,846,174  | 6,624,041  |   |
| Total Income  | 3,097,203  | 2,519,799  | (1,269,279)  | (2,014,834)  | (4,990,218)  | (7,722,383)  | (10,595,856)   | (13,600,155)   | (16,734,132)   | (19,981,941)   |   |
|   |  |  |  |  |  |  |  |  |  |  |   |
| Fiscal Year Beginning:  | 7/1/23   | 7/1/24   | 7/1/25   | 7/1/26   | 7/1/27   | 7/1/28   | 7/1/29   | 7/1/30   | 7/1/31   | 7/1/32   | Total   |
| Capacity Fee Revenue Throughput Fee Revenue Subtotal                | 6,300,000<br>49,107,947<br>55,407,947                      | 6,300,000<br>48,616,867<br>54,916,867                      | 6,300,000<br>48,130,699<br>54,430,699                      | 6,300,000<br>47,649,392<br>53,949,392                      | 6,300,000<br>47,172,898<br>53,472,898                      | 6,300,000<br>46,701,169<br>53,001,169                      | 6,300,000<br>46,234,157<br>52,534,157                      | 6,300,000<br>45,771,815<br>52,071,815                      | 6,300,000<br>45,314,097<br>51,614,097                      | 6,300,000<br>44,860,956<br>51,160,956                      | 126,000,000<br>988,765,329<br>1,114,765,329     |
| Incurred Losses & ALAE Claim Administration Other Expenses          | (72,228,078)<br>(3,542,893)<br>(2,501,613)                 | (74,490,690)<br>(3,684,609)<br>(2,601,677)                 | (76,825,011)<br>(3,831,993)<br>(2,705,744)                 | (79,233,345)<br>(3,985,273)<br>(2,813,974)                 | (81,718,073)<br>(4,144,684)<br>(2,926,533)                 | (84,281,652)<br>(4,310,471)<br>(3,043,595)                 | (86,926,620)<br>(4,482,890)<br>(3,165,338)                 | (89,655,598)<br>(4,662,206)<br>(3,291,952)                 | (92,471,292)<br>(4,848,694)<br>(3,423,630)                 | (95,376,498)<br>(5,042,642)<br>(3,560,575)                 | (1,445,311,328)<br>(73,508,687)<br>(50,324,953) |
| Subtotal  | (78,272,584)   | (80,776,976)   | (83,362,748)   | (86,032,593)   | (88,789,290)   | (91,635,718)   | (94,574,849)   | (97,609,755)   | (100,743,616)  | (103,979,714)  | (1,569,144,968)                                 |
| Underwriting Income   | (22,864,637)   | (25,860,109)   | (28,932,050)   | (32,083,201)   | (35,316,393)   | (38,634,549)   | (42,040,692)   | (45,537,940)   | (49,129,518)   | (52,818,758)   | (454,379,639)                                   |
| DCED Loan Interest Payments<br>Interest Receivable on GF Loan       | -<br>152,341   | 124,603  | (803,274)  | (5,631,290)  | (5,659,447)  | (5,301,203)  | -  | -  | -  | -  | (14,113,452)                                    |
| DEP Assistance  | (6,996,660)  | (7,156,526)  | (7,322,787)  | (7,495,698)  | (7,585,525)  | (7,648,946)  | (7,714,904)  | (7,783,500)  | (7,854,840)  | (7,929,034)  | (137,904,909)                                   |
| Investment Income   | 6,354,218  | 6,018,036  | 5,608,273  | 5,096,687  | 4,474,970  | 3,728,107  | 2,726,556  | 1,461,920  | 27,376   | (1,588,968)  | 103,188,843                                     |
| Total Income  | (23,354,738)   | (26,873,996)   | (31,449,838)   | (40,113,503)   | (44,086,395)   | (47,856,591)   | (47,029,040)   | (51,859,520)   | (56,956,982)   | (62,336,759)   | (503,209,158)                                   |



#### USTIF Loss Fund Experience at 6/30/2013 Cash Flow Statement (Under Current Fee Structure)

| (1)                            | (2)          | (3)          | (4)          | (5)          | (6)          | (7)          | (8)          | (9)          | (10)         | (11)         | (12)              |
|--------------------------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|-------------------|
| Fiscal Year Beginning:         | 7/1/13       | 7/1/14       | 7/1/15       | 7/1/16       | 7/1/17       | 7/1/18       | 7/1/19       | 7/1/20       | 7/1/21       | 7/1/22       |                   |
| Initial Cash & Invested Assets | 163,845,231  | 165,987,202  | 174,593,476  | 179,618,921  | 183,103,043  | 184,471,112  | 183,644,607  | 181,220,280  | 177,261,561  | 171,893,331  |                   |
| Capacity Fee Revenue           | 6,300,000    | 6,300,000    | 6,300,000    | 6,300,000    | 6,300,000    | 6,300,000    | 6,300,000    | 6,300,000    | 6,300,000    | 6,300,000    |                   |
| Throughput Fee Revenue         | 54,300,000   | 53,757,000   | 53,219,430   | 52,687,236   | 52,160,363   | 51,638,760   | 51,122,372   | 50,611,148   | 50,105,037   | 49,603,987   |                   |
| Paid Losses & ALAE             | (53,785,332) | (54,113,179) | (55,641,102) | (58,227,156) | (59,213,952) | (60,580,114) | (61,267,682) | (61,822,363) | (62,185,820) | (61,683,627) |                   |
| Paid Expenses                  | (5,590,000)  | (4,057,600)  | (5,727,904)  | (4,201,020)  | (4,777,061)  | (4,968,143)  | (5,166,869)  | (5,373,544)  | (5,588,486)  | (5,812,025)  |                   |
| DCED Loan Interest Payments    | -            | -            |              |              |              |              |              |              |              |              |                   |
| Interest Receivable on GF Loan | -            | -            | -            | -            | -            | -            | -            | -            | -            | -            |                   |
| GF Loan Principal Payments     | -            | 5,700,000    | 5,700,000    | 5,700,000    | 5,700,000    | 5,700,000    | 5,700,000    | 5,700,000    | 5,700,000    | 5,700,000    |                   |
| DCED Loan Principal Payments   | -            | -            | -            |              |              |              |              |              |              |              |                   |
| DEP Assistance                 | (5,700,000)  | (5,808,000)  | (5,920,320)  | (6,037,133)  | (6,158,618)  | (6,284,963)  | (6,416,361)  | (6,553,016)  | (6,695,136)  | (6,842,942)  |                   |
| Other Cash                     | 150,000      | 150,000      | 150,000      | 150,000      | 150,000      | 150,000      | 150,000      | 150,000      | 150,000      | 150,000      |                   |
|                                |              |              |              |              |              |              |              |              |              |              |                   |
| Investment Income              | 6,467,303    | 6,678,053    | 6,945,341    | 7,112,195    | 7,207,336    | 7,217,955    | 7,154,213    | 7,029,056    | 6,846,174    | 6,624,041    |                   |
| Total Cash Flow                | 2,141,971    | 8,606,274    | 5,025,445    | 3,484,122    | 1,368,069    | (826,505)    | (2,424,327)  | (3,958,719)  | (5,368,231)  | (5,960,567)  |                   |
| Ending Cash & Invested Assets  | 165,987,202  | 174,593,476  | 179,618,921  | 183,103,043  | 184,471,112  | 183,644,607  | 181,220,280  | 177,261,561  | 171,893,331  | 165,932,764  |                   |
| Fiscal Year Beginning:         | 7/1/23       | 7/1/24       | 7/1/25       | 7/1/26       | 7/1/27       | 7/1/28       | 7/1/29       | 7/1/30       | 7/1/31       | 7/1/32       | Total - All Years |
| Initial Cash & Invested Assets | 165,932,764  | 158,132,332  | 148,787,485  | 137,234,419  | 122,696,620  | 105,526,834  | 84,606,645   | 54,447,697   | 20,110,229   | (18,714,036) | 163,845,231       |
| Capacity Fee Revenue           | 6,300,000    | 6,300,000    | 6,300,000    | 6,300,000    | 6,300,000    | 6,300,000    | 6,300,000    | 6,300,000    | 6,300,000    | 6,300,000    | 126,000,000       |
| Throughput Fee Revenue         | 49,107,947   | 48,616,867   | 48,130,699   | 47,649,392   | 47,172,898   | 46,701,169   | 46,234,157   | 45,771,815   | 45,314,097   | 44,860,956   | 988,765,329       |
| Paid Losses & ALAE             | (62,371,430) | (62,686,938) | (63,581,513) | (65,138,931) | (66,310,911) | (68,124,162) | (70,206,528) | (72,283,546) | (74,488,575) | (76,799,012) | (1,270,511,872)   |
| Paid Expenses                  | (6,044,506)  | (6,286,286)  | (6,537,738)  | (6,799,247)  | (7,071,217)  | (7,354,066)  | (7,648,229)  | (7,954,158)  | (8,272,324)  | (8,603,217)  | (123,833,640)     |
| DCED Loan Interest Payments    | -            | -            | -            | -            | -            | -            | -            | -            | -            | -            | -                 |
| Interest Receivable on GF Loan | -            | -            | 900.000      | 5,700,000    | 5,700,000    | 5,327,709    | -            | -            | _            | -            | 17.627.709        |
| GF Loan Principay Payments     | 5,700,000    | 5,700,000    | 4,800,000    | -            | -            | -            | -            | -            | _            | -            | 67,500,000        |
| DCED Loan Principal Payments   | -            | -            | -            | -            | -            | -            | -            | -            | _            | -            | - ,,              |
| DEP Assistance                 | (6,996,660)  | (7,156,526)  | (7,322,787)  | (7,495,698)  | (7,585,525)  | (7,648,946)  | (7,714,904)  | (7,783,500)  | (7,854,840)  | (7,929,034)  | (137,904,909)     |
| Other Cash                     | 150,000      | 150,000      | 150,000      | 150,000      | 150,000      | 150,000      | 150,000      | 150,000      | 150,000      | 150,000      | 3,000,000         |
|                                | ,            | ,            | ,            | ,            | ,            | ,            | ,            | ,            | ,            | ,            | -,,               |
| Investment Income              | 6,354,218    | 6,018,036    | 5,608,273    | 5,096,687    | 4,474,970    | 3,728,107    | 2,726,556    | 1,461,920    | 27,376       | (1,588,968)  | 103,188,843       |
| Total Cash Flow                | (7,800,432)  | (9,344,847)  | (11,553,066) | (14,537,798) | (17,169,786) | (20,920,190) | (30,158,947) | (34,337,468) | (38,824,265) | (43,609,273) | (226,168,541)     |
| Ending Cash & Invested Assets  | 158,132,332  | 148,787,485  | 137,234,419  | 122,696,620  | 105,526,834  | 84,606,645   | 54,447,697   | 20,110,229   | (18,714,036) | (62,323,310) | (62,323,310)      |



#### USTIF Loss Fund Experience at 6/30/2013 Fee Revenue Summary

|                  | Ca                  | apacity Fee Reven | ue             | Throughput Fee Revenue |              |                |  |  |
|------------------|---------------------|-------------------|----------------|------------------------|--------------|----------------|--|--|
| (1)              | (2)                 | (3)               | (4)            | (5)                    | (6)          | (7)            |  |  |
|                  |                     | Prior Rate -      | Capacity Fee @ |                        | Prior Rate - | Throughput Fee |  |  |
| Calendar Year    | Capacity Fee        | Average           | Current Rate   | Gallon Fee             | Average      | @ Current Rate |  |  |
| 1997             | \$13,469,895        | \$0.1500          | \$7,408,442    | \$45,633,775           | \$0.010      | \$50,197,152   |  |  |
| 1998             | \$12,596,369        | \$0.1000          | \$10,392,004   | \$23,955,393           | \$0.005      | \$52,701,864   |  |  |
| 1999             | \$2,091,930         | \$0.0200          | \$8,629,211    | \$7,133,748            | \$0.001      | \$78,471,230   |  |  |
| 2000             | \$1,247,231         | \$0.0100          | \$10,289,656   | \$2,716,302            | \$0.001      | \$59,758,652   |  |  |
| 2001             | \$1,076,555         | \$0.0100          | \$8,881,578    | \$2,511,814            | \$0.001      | \$55,259,906   |  |  |
| 2002             | \$2,289,895         | \$0.0171          | \$11,066,792   | \$4,113,787            | \$0.001      | \$51,821,593   |  |  |
| 2003             | \$5,178,503         | \$0.0750          | \$5,696,353    | \$45,014,126           | \$0.010      | \$49,515,539   |  |  |
| 2004             | \$8,492,561         | \$0.0825          | \$8,492,561    | \$56,217,277           | \$0.011      | \$56,217,277   |  |  |
| 2005             | \$6,389,773         | \$0.0825          | \$6,389,773    | \$54,440,651           | \$0.011      | \$54,440,651   |  |  |
| 2006             | \$5,944,699         | \$0.0825          | \$5,944,699    | \$54,683,549           | \$0.011      | \$54,683,549   |  |  |
| 2007             | \$6,178,435         | \$0.0825          | \$6,178,435    | \$56,156,427           | \$0.011      | \$56,156,427   |  |  |
| 2008             | \$6,367,001         | \$0.0825          | \$6,367,001    | \$52,606,701           | \$0.011      | \$52,606,701   |  |  |
| 2009             | \$6,125,056         | \$0.0825          | \$6,125,056    | \$52,578,489           | \$0.011      | \$52,578,489   |  |  |
| 2010             | \$7,090,131         | \$0.0825          | \$7,090,131    | \$54,242,194           | \$0.011      | \$54,242,194   |  |  |
| 2011             | \$5,585,096         | \$0.0825          | \$5,585,096    | \$53,211,533           | \$0.011      | \$53,211,533   |  |  |
| 2012             | \$7,356,000         | \$0.0825          | \$7,356,000    | \$54,341,839           | \$0.011      | \$54,341,839   |  |  |
| 2013             | \$2,326,375         | \$0.0825          | \$2,326,375    | \$26,513,763           | \$0.011      | \$26,513,763   |  |  |
| Total            | \$99,805,505        |                   | \$124,219,165  | \$646,071,368          |              | \$912,718,359  |  |  |
| Control          | \$99,805,505        |                   | \$124,219,165  | \$646,071,368          |              | \$912,718,359  |  |  |
| Selected for 201 | 3/2014 Under Currer | t Fee Structure   | \$6,300,000    |                        |              | 54,300,000     |  |  |

(2) & (5) Provided by USTIF.

(3) & (6) Exposure weighted average of monthly rates.

(4) = (2) / (3) \* 0.0825(7) = (5) / (6) \* 0.011

(2) - (7) Values for 2013 represent the six month period 1/1 - 6/30.



#### USTIF Loss Fund Experience at 6/30/2013 Projected Loss & ALAE Payments for Unpaid Losses as of 6/30/2013

| (1)                          | (2)   | (3)   | (4)                            | (5)                                 | (6)        | (7)        | (8)        | (9)        | (10)       | (11)                       | (12)       | (13)       | (14)       | (15)       |
|------------------------------|---|---|--------------------------------|-------------------------------------|------------|------------|------------|------------|------------|----------------------------|------------|------------|------------|------------|
|                              |   |   |                                |                                     |            |            |            |            | Payment Ye | ear Beginning <sup>3</sup> |            |            |            |            |
| Report Year<br>Beginning 1/1 | Ultimate Losses<br>& ALAE <sup>1</sup>          | Paid Loss &<br>ALAE<br>as of 6/30/13 <sup>2</sup> | Estimated Unpaid as of 6/30/13 | Development<br>Age<br>as of 6/30/13 | 07/01/13   | 07/01/14   | 07/01/15   | 07/01/16   | 07/01/17   | 07/01/18                   | 07/01/19   | 07/01/20   | 07/01/21   | 07/01/22   |
| 1994                         | 18,450,000                                      | 16,960,856  | 1,489,144                      | 234                                 | 372,286    | 372,286    | 372,286    | 372,286    | -          | -                          | -          | _          | -          | -          |
| 1995                         | 51,578,019                                      | 45,385,634  | 6,192,385                      | 222                                 | 1,238,477  | 1,238,477  | 1,238,477  | 1,238,477  | 1,238,477  | -                          | -          | -          | -          | -          |
| 1996                         | 65,963,517                                      | 56,070,870  | 9,892,647                      | 210                                 | 1,930,189  | 1,592,492  | 1,592,492  | 1,592,492  | 1,592,492  | 1,592,492                  | -          | -          | -          | -          |
| 1997                         | 81,986,640                                      | 70,964,001  | 11,022,639                     | 198                                 | 1,094,320  | 1,937,149  | 1,598,234  | 1,598,234  | 1,598,234  | 1,598,234                  | 1,598,234  | -          | -          | -          |
| 1998                         | 116,859,688                                     | 99,267,204  | 17,592,484                     | 186                                 | 1,762,772  | 1,571,563  | 2,781,958  | 2,295,238  | 2,295,238  | 2,295,238                  | 2,295,238  | 2,295,238  | -          | -          |
| 1999                         | 139,257,414                                     | 114,222,172                                       | 25,035,242                     | 174                                 | 2,897,564  | 2,218,202  | 1,977,593  | 3,500,705  | 2,888,236  | 2,888,236                  | 2,888,236  | 2,888,236  | 2,888,236  | -          |
| 2000                         | 84,670,010                                      | 67,561,969  | 17,108,041                     | 162                                 | 804,828    | 1,886,924  | 1,444,517  | 1,287,829  | 2,279,696  | 1,880,850                  | 1,880,850  | 1,880,850  | 1,880,850  | 1,880,850  |
| 2001                         | 98,591,921                                      | 75,362,419  | 23,229,502                     | 150                                 | 3,122,521  | 945,909    | 2,217,691  | 1,697,732  | 1,513,578  | 2,679,313                  | 2,210,552  | 2,210,552  | 2,210,552  | 2,210,552  |
| 2002                         | 81,073,964                                      | 59,247,608  | 21,826,356                     | 138                                 | 2,405,582  | 2,610,550  | 790,817    | 1,854,077  | 1,419,370  | 1,265,411                  | 2,240,011  | 1,848,108  | 1,848,108  | 1,848,108  |
| 2003                         | 52,600,000                                      | 36,433,179  | 16,166,821                     | 126                                 | 1,971,890  | 1,564,488  | 1,697,790  | 514,314    | 1,205,812  | 923,098                    | 822,969    | 1,456,807  | 1,201,930  | 1,201,930  |
| 2004                         | 73,840,937                                      | 48,387,478  | 25,453,459                     | 114                                 | 3,767,182  | 2,645,105  | 2,098,614  | 2,277,427  | 689,904    | 1,617,485                  | 1,238,250  | 1,103,936  | 1,954,171  | 1,612,277  |
| 2005                         | 54,571,873                                      | 34,044,114  | 20,527,759                     | 102                                 | 1,923,944  | 2,753,416  | 1,933,295  | 1,533,867  | 1,664,561  | 504,248                    | 1,182,212  | 905,031    | 806,862    | 1,428,294  |
| 2006                         | 42,447,334                                      | 24,117,224  | 18,330,110                     | 90                                  | 2,049,690  | 1,525,866  | 2,183,714  | 1,533,283  | 1,216,499  | 1,320,151                  | 399,915    | 937,604    | 717,773    | 639,916    |
| 2007                         | 49,037,579                                      | 25,579,250  | 23,458,329                     | 78                                  | 2,907,472  | 2,298,016  | 1,710,730  | 2,448,278  | 1,719,044  | 1,363,882                  | 1,480,091  | 448,366    | 1,051,197  | 804,734    |
| 2008                         | 47,000,000                                      | 21,278,261  | 25,721,739                     | 66                                  | 2,862,295  | 2,833,245  | 2,239,349  | 1,667,055  | 2,385,774  | 1,675,158                  | 1,329,062  | 1,442,305  | 436,919    | 1,024,361  |
| 2009                         | 46,000,000                                      | 16,792,828  | 29,207,172                     | 54                                  | 3,603,674  | 2,849,137  | 2,820,221  | 2,229,055  | 1,659,392  | 2,374,807                  | 1,667,457  | 1,322,953  | 1,435,675  | 434,911    |
| 2010                         | 43,000,000                                      | 13,085,279  | 29,914,721                     | 42                                  | 3,400,180  | 3,271,448  | 2,586,473  | 2,560,223  | 2,023,556  | 1,506,411                  | 2,155,872  | 1,513,733  | 1,200,989  | 1,303,319  |
| 2011                         | 49,400,000                                      | 8,574,608   | 40,825,392                     | 30                                  | 4,764,797  | 4,098,735  | 3,943,556  | 3,117,854  | 3,086,212  | 2,439,289                  | 1,815,898  | 2,598,788  | 1,824,724  | 1,447,727  |
| 2012                         | 49,004,147                                      | 2,846,016   | 46,158,131                     | 18                                  | 6,408,188  | 4,639,280  | 3,990,764  | 3,839,672  | 3,035,722  | 3,004,913                  | 2,375,032  | 1,768,063  | 2,530,329  | 1,776,656  |
| 1/1/13-6/30/13               | 25,508,814                                      | 74,933  | 25,433,881                     | 6                                   | 2,117,978  | 3,236,974  | 2,343,444  | 2,015,859  | 1,939,537  | 1,533,437                  | 1,517,875  | 1,199,702  | 893,103    | 1,278,148  |
| Total:                       | 1,270,841,858                                   | 836,255,903                                       | 434,585,955                    |                                     | 51,405,829 | 46,089,265 | 41,562,014 | 39,173,955 | 35,451,334 | 32,462,650                 | 29,097,752 | 25,820,270 | 22,881,418 | 18,891,783 |
|                              | Payment Year Reginning (Continued) <sup>3</sup> |   |                                |                                     |            |            |            |            |            |                            |            |            |            |            |

|                              |  |   |                                | _                                   | Payment Year Beginning (Continued) <sup>3</sup> |            |            |           |           |           |           |           |           |           |
|------------------------------|--|---|--------------------------------|-------------------------------------|---|------------|------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| Report Year<br>Beginning 1/1 | Ultimate Losses<br>& ALAE <sup>1</sup> | Paid Loss &<br>ALAE<br>as of 6/30/13 <sup>2</sup> | Estimated Unpaid as of 6/30/13 | Development<br>Age<br>as of 6/30/13 | 07/01/23  | 07/01/24   | 07/01/25   | 07/01/26  | 07/01/27  | 07/01/28  | 07/01/29  | 07/01/30  | 07/01/31  | 07/01/32  |
| 1994                         | 18,450,000                             | 16,960,856  | 1,489,144                      | 234                                 | -   | -          | -          | -         | -         | -         | -         | -         | -         | -         |
| 1995                         | 51,578,019                             | 45,385,634  | 6,192,385                      | 222                                 | -   | -          | -          | -         | -         | -         | -         | -         | -         | -         |
| 1996                         | 65,963,517                             | 56,070,870  | 9,892,647                      | 210                                 | -   | -          | -          | -         | -         | -         | -         | -         | -         | -         |
| 1997                         | 81,986,640                             | 70,964,001  | 11,022,639                     | 198                                 | -   | -          | -          | -         | -         | -         | -         | -         | -         | -         |
| 1998                         | 116,859,688                            | 99,267,204  | 17,592,484                     | 186                                 | -   | -          | -          | -         | -         | -         | -         | -         | -         | -         |
| 1999                         | 139,257,414                            | 114,222,172                                       | 25,035,242                     | 174                                 | -   | -          | -          | -         | -         | -         | -         | -         | -         | -         |
| 2000                         | 84,670,010                             | 67,561,969  | 17,108,041                     | 162                                 | -   | -          | -          | -         | -         | -         | -         | -         | -         | -         |
| 2001                         | 98,591,921                             | 75,362,419  | 23,229,502                     | 150                                 | 2,210,552                                       | -          | -          | -         | -         | -         | -         | -         | -         | -         |
| 2002                         | 81,073,964                             | 59,247,608  | 21,826,356                     | 138                                 | 1,848,108                                       | 1,848,108  | -          | -         | -         | -         | -         | -         | -         | -         |
| 2003                         | 52,600,000                             | 36,433,179  | 16,166,821                     | 126                                 | 1,201,930                                       | 1,201,930  | 1,201,930  | -         | -         | -         | -         | -         | -         | -         |
| 2004                         | 73,840,937                             | 48,387,478  | 25,453,459                     | 114                                 | 1,612,277                                       | 1,612,277  | 1,612,277  | 1,612,277 | -         | -         | -         | -         | -         | -         |
| 2005                         | 54,571,873                             | 34,044,114  | 20,527,759                     | 102                                 | 1,178,406                                       | 1,178,406  | 1,178,406  | 1,178,406 | 1,178,406 | -         | -         | -         | -         | -         |
| 2006                         | 42,447,334                             | 24,117,224  | 18,330,110                     | 90                                  | 1,132,770                                       | 934,585    | 934,585    | 934,585   | 934,585   | 934,585   | -         | -         | -         | -         |
| 2007                         | 49,037,579                             | 25,579,250  | 23,458,329                     | 78                                  | 717,444   | 1,270,009  | 1,047,813  | 1,047,813 | 1,047,813 | 1,047,813 | 1,047,813 | -         | -         | -         |
| 2008                         | 47,000,000                             | 21,278,261  | 25,721,739                     | 66                                  | 784,189   | 699,128    | 1,237,586  | 1,021,063 | 1,021,063 | 1,021,063 | 1,021,063 | 1,021,063 | -         | -         |
| 2009                         | 46,000,000                             | 16,792,828  | 29,207,172                     | 54                                  | 1,019,652                                       | 780,584    | 695,914    | 1,231,897 | 1,016,369 | 1,016,369 | 1,016,369 | 1,016,369 | 1,016,369 | -         |
| 2010                         | 43,000,000                             | 13,085,279  | 29,914,721                     | 42                                  | 394,816   | 925,649    | 708,622    | 631,757   | 1,118,327 | 922,669   | 922,669   | 922,669   | 922,669   | 922,669   |
| 2011                         | 49,400,000                             | 8,574,608   | 40,825,392                     | 30                                  | 1,571,081                                       | 475,930    | 1,115,821  | 854,206   | 761,549   | 1,348,083 | 1,112,228 | 1,112,228 | 1,112,228 | 1,112,228 |
| 2012                         | 49,004,147                             | 2,846,016   | 46,158,131                     | 18                                  | 1,409,591                                       | 1,529,695  | 463,392    | 1,086,427 | 831,704   | 741,488   | 1,312,571 | 1,082,929 | 1,082,929 | 1,082,929 |
| 1/1/13-6/30/13               | 25,508,814                             | 74,933  | 25,433,881                     | 6                                   | 897,444   | 712,028    | 772,696    | 234,074   | 548,788   | 420,119   | 374,549   | 663,020   | 547,021   | 547,021   |
| Total:                       | 1,270,841,858                          | 836,255,903                                       | 434,585,955                    | Total:                              | 15,978,260                                      | 13,168,329 | 10,969,043 | 9,832,504 | 8,458,604 | 7,452,190 | 6,807,262 | 5,818,279 | 4,681,217 | 3,664,848 |

 Check Totals
 Unpaid at 6/30/2013
 Paid 7/13 - 7/33
 Unpaid at 7/1/33

 Values per Payment Projections
 434,595,955
 429,666,804
 4,919,150

 Control (Per Pro Forma 10)
 4,919,150

<sup>&</sup>lt;sup>1</sup> From Pro Forma 12 with 2013 pro-rated for partial period.

<sup>&</sup>lt;sup>2</sup> From Pro Forma 13.

<sup>&</sup>lt;sup>3</sup> Per Pro Forma 5 applied to (4).



# USTIF Loss Fund Experience at 6/30/2013 Projected Loss & ALAE Payments for Report Years 7/01/13-14 and Subsequent

| (1)           | (2)               | (3)       | (4)       | (5)        | (6)        | (7)        | (8)                        | (9)        | (10)       | (11)       | (12)       |
|---------------|-------------------|-----------|-----------|------------|------------|------------|----------------------------|------------|------------|------------|------------|
|               | _                 |           |           |            |            | Payment Ye | ear Beginning <sup>2</sup> |            |            |            |            |
| Report Year   | Ultimate Losses & |           |           |            |            |            |                            |            |            |            |            |
| Beginning 7/1 | ALAE <sup>1</sup> | 07/01/13  | 07/01/14  | 07/01/15   | 07/01/16   | 07/01/17   | 07/01/18                   | 07/01/19   | 07/01/20   | 07/01/21   | 07/01/22   |
| 2013          | 53,088,167        | 2,379,503 | 5,570,126 | 5,804,653  | 4,534,470  | 4,114,333  | 3,612,527                  | 3,173,921  | 2,826,775  | 2,176,899  | 2,258,497  |
| 2014          | 54,745,511        | -         | 2,453,788 | 5,744,018  | 5,985,866  | 4,676,030  | 4,242,777                  | 3,725,305  | 3,273,006  | 2,915,023  | 2,244,859  |
| 2015          | 56,455,163        | -         | -         | 2,530,417  | 5,923,399  | 6,172,800  | 4,822,058                  | 4,375,275  | 3,841,643  | 3,375,219  | 3,006,057  |
| 2016          | 58,218,795        | -         | -         | -          | 2,609,466  | 6,108,443  | 6,365,635                  | 4,972,697  | 4,511,957  | 3,961,654  | 3,480,660  |
| 2017          | 60,038,136        | -         | -         | -          | -          | 2,691,012  | 6,299,332                  | 6,564,561  | 5,128,094  | 4,652,956  | 4,085,456  |
| 2018          | 61,914,968        | -         | -         | -          | -          | -          | 2,775,135                  | 6,496,254  | 6,769,774  | 5,288,402  | 4,798,410  |
| 2019          | 63,851,133        | -         | -         | -          | -          | -          | -                          | 2,861,917  | 6,699,400  | 6,981,474  | 5,453,777  |
| 2020          | 65,848,531        | -         | -         | -          | -          | -          | -                          | -          | 2,951,444  | 6,908,971  | 7,199,869  |
| 2021          | 67,909,125        | -         | -         | -          | -          | -          | -                          | -          | -          | 3,043,804  | 7,125,174  |
| 2022          | 70,034,944        | -         | -         | -          | -          | -          | -                          | -          | -          | -          | 3,139,086  |
| 2023          | 72,228,078        | -         | -         | -          | -          | -          | -                          | -          | -          | -          | -          |
| 2024          | 74,490,690        | -         | -         | -          | -          | -          | -                          | -          | -          | -          | -          |
| 2025          | 76,825,011        | -         | -         | -          | -          | -          | -                          | -          | -          | -          | -          |
| 2026          | 79,233,345        | -         | -         | -          | -          | -          | -                          | -          | -          | -          | -          |
| 2027          | 81,718,073        | -         | -         | -          | -          | -          | -                          | -          | -          | -          | -          |
| 2028          | 84,281,652        | -         | -         | -          | -          | -          | -                          | -          | -          | -          | -          |
| 2029          | 86,926,620        | -         | -         | -          | -          | -          | -                          | -          | -          | -          | -          |
| 2030          | 89,655,598        | -         | -         | -          | -          | -          | -                          | -          | -          | -          | -          |
| 2031          | 92,471,292        | -         | -         | -          | -          | -          | -                          | -          | -          | -          | -          |
| 2032          | 95,376,498        | -         | -         | -          | -          | -          | -                          | -          | -          | -          | -          |
|               | Total:            | 2 379 503 | 8 023 914 | 14 079 088 | 19 053 201 | 23 762 618 | 28 117 464                 | 32 169 930 | 36 002 093 | 39 304 402 | 42 791 845 |

|               | _                 | Payment Year Beginning (Continued) <sup>2</sup> |            |            |            |            |            |            |            |            |            |  |  |
|---------------|-------------------|---|------------|------------|------------|------------|------------|------------|------------|------------|------------|--|--|
| Report Year   | Ultimate Losses & |   |            |            |            |            |            |            |            |            |            |  |  |
| Beginning 7/1 | ALAE <sup>1</sup> | 07/01/23  | 07/01/24   | 07/01/25   | 07/01/26   | 07/01/27   | 07/01/28   | 07/01/29   | 07/01/30   | 07/01/31   | 07/01/32   |  |  |
| 2013          | 53,088,167        | 2,263,012                                       | 1,674,144  | 1,544,384  | 1,047,225  | 814,319    | 1,007,840  | 826,600    | 1,079,261  | 1,258,664  | 1,138,004  |  |  |
| 2014          | 54,745,511        | 2,329,004                                       | 2,333,660  | 1,726,409  | 1,592,597  | 1,079,918  | 839,741    | 1,039,304  | 852,405    | 1,112,954  | 1,297,958  |  |  |
| 2015          | 56,455,163        | 2,314,964                                       | 2,401,737  | 2,406,538  | 1,780,323  | 1,642,333  | 1,113,642  | 865,965    | 1,071,760  | 879,025    | 1,147,711  |  |  |
| 2016          | 58,218,795        | 3,099,965                                       | 2,387,282  | 2,476,766  | 2,481,718  | 1,835,940  | 1,693,639  | 1,148,432  | 893,018    | 1,105,241  | 906,485    |  |  |
| 2017          | 60,038,136        | 3,589,430                                       | 3,196,839  | 2,461,885  | 2,554,165  | 2,559,271  | 1,893,313  | 1,746,565  | 1,184,321  | 920,925    | 1,139,780  |  |  |
| 2018          | 61,914,968        | 4,213,170                                       | 3,701,638  | 3,296,774  | 2,538,845  | 2,634,010  | 2,639,276  | 1,952,499  | 1,801,164  | 1,221,343  | 949,713    |  |  |
| 2019          | 63,851,133        | 4,948,463                                       | 4,344,922  | 3,817,394  | 3,399,869  | 2,618,238  | 2,716,379  | 2,721,810  | 2,013,556  | 1,857,488  | 1,259,536  |  |  |
| 2020          | 65,848,531        | 5,624,383                                       | 5,103,261  | 4,480,840  | 3,936,810  | 3,506,224  | 2,700,142  | 2,801,353  | 2,806,954  | 2,076,545  | 1,915,595  |  |  |
| 2021          | 67,909,125        | 7,425,174                                       | 5,800,386  | 5,262,957  | 4,621,059  | 4,060,004  | 3,615,944  | 2,784,638  | 2,889,016  | 2,894,791  | 2,141,526  |  |  |
| 2022          | 70,034,944        | 7,348,219                                       | 7,657,611  | 5,981,961  | 5,427,708  | 4,765,716  | 4,187,098  | 3,729,137  | 2,871,808  | 2,979,453  | 2,985,410  |  |  |
| 2023          | 72,228,078        | 3,237,386                                       | 7,578,327  | 7,897,408  | 6,169,285  | 5,597,676  | 4,914,953  | 4,318,216  | 3,845,914  | 2,961,738  | 3,072,754  |  |  |
| 2024          | 74,490,690        | -   | 3,338,801  | 7,815,726  | 8,144,802  | 6,362,544  | 5,773,028  | 5,068,919  | 4,453,488  | 3,966,391  | 3,054,517  |  |  |
| 2025          | 76,825,011        | -   | -          | 3,443,429  | 8,060,648  | 8,400,036  | 6,561,927  | 5,953,938  | 5,227,764  | 4,593,048  | 4,090,686  |  |  |
| 2026          | 79,233,345        | -   | -          | -          | 3,551,374  | 8,313,335  | 8,663,363  | 6,767,632  | 6,140,584  | 5,391,646  | 4,737,032  |  |  |
| 2027          | 81,718,073        | -   | -          | -          | -          | 3,662,744  | 8,574,039  | 8,935,043  | 6,979,863  | 6,333,151  | 5,560,726  |  |  |
| 2028          | 84,281,652        | -   | -          | -          | -          | -          | 3,777,648  | 8,843,015  | 9,215,344  | 7,198,828  | 6,531,828  |  |  |
| 2029          | 86,926,620        | -   | -          | -          | -          | -          | -          | 3,896,200  | 9,120,531  | 9,504,544  | 7,424,745  |  |  |
| 2030          | 89,655,598        | -   | -          | -          | -          | -          | -          | -          | 4,018,518  | 9,406,861  | 9,802,930  |  |  |
| 2031          | 92,471,292        | -   | -          | -          | -          | -          | -          | -          | -          | 4,144,722  | 9,702,290  |  |  |
| 2032          | 95,376,498        | -   | -          | -          | -          | -          | -          | -          | -          | -          | 4,274,938  |  |  |
|               | Total:            | 46,393,171                                      | 49,518,609 | 52,612,470 | 55,306,427 | 57,852,307 | 60,671,972 | 63,399,265 | 66,465,267 | 69,807,358 | 73,134,164 |  |  |

| Check Totals |                       | Paid Thru 7/01/2033 | Unpaid at 7/01/2033     | Total         |
|--------------|-----------------------|---------------------|-------------------------|---------------|
| Values pe    | r Payment Projections | 840,845,067         | 604,466,261             | 1,445,311,328 |
|              |                       | Control (Sum of I   | Ultimate Losses & ALAE) | 1,445,311,328 |

<sup>&</sup>lt;sup>1</sup> Based on Pro Forma 7, Columns (6) and (8).

<sup>&</sup>lt;sup>2</sup> Per Pro Forma 6 applied to (2).



USTIF Loss Fund Experience at 6/30/2013 Projected Loss & ALAE Payout Percentages For Unpaid Losses as of 6/30/2013

| (1)                            | (2)            | (3)            | (4)            | (5)            | (6)                      | (7)                       | (8)            | (9)            | (10)           | (11)           |
|--------------------------------|----------------|----------------|----------------|----------------|--------------------------|---------------------------|----------------|----------------|----------------|----------------|
|                                |                |                |                |                | Payment Ye               | ar Beginning              |                |                |                |                |
|                                | 7/1/13         | 7/1/14         | 7/1/15         | 7/1/16         | 7/1/17                   | 7/1/18                    | 7/1/19         | 7/1/20         | 7/1/21         | 7/1/22         |
| Report Year<br>Development Age |                |                |                |                |                          |                           |                |                |                |                |
| 270                            | 1.000          | -              | -              | -              | -                        | -                         | -              | -              | -              | -              |
| 258                            | 0.500          | 0.500          | -              | -              | -                        | -                         | -              | -              | -              | -              |
| 246                            | 0.333          | 0.333          | 0.333          | -              | -                        | -                         | -              | -              | -              | -              |
| 234                            | 0.250          | 0.250          | 0.250          | 0.250          | -                        | -                         | -              | -              | -              | -              |
| 222                            | 0.200          | 0.200          | 0.200          | 0.200          | 0.200                    | -                         | -              | -              | -              | -              |
| 210                            | 0.195          | 0.161          | 0.161          | 0.161          | 0.161                    | 0.161                     | -              | -              | -              | -              |
| 198                            | 0.099          | 0.176          | 0.145          | 0.145          | 0.145                    | 0.145                     | 0.145          | -              | -              | -              |
| 186                            | 0.100          | 0.089          | 0.158          | 0.130          | 0.130                    | 0.130                     | 0.130          | 0.130          | _              | -              |
| 174                            | 0.116          | 0.089          | 0.079          | 0.140          | 0.115                    | 0.115                     | 0.115          | 0.115          | 0.115          | -              |
| 162                            | 0.047          | 0.110          | 0.084          | 0.075          | 0.133                    | 0.110                     | 0.110          | 0.110          | 0.110          | 0.110          |
| 150                            | 0.134          | 0.041          | 0.095          | 0.073          | 0.065                    | 0.115                     | 0.095          | 0.095          | 0.095          | 0.095          |
| 138                            | 0.110          | 0.120          | 0.036          | 0.085          | 0.065                    | 0.058                     | 0.103          | 0.085          | 0.085          | 0.085          |
| 126                            | 0.122          | 0.097          | 0.105          | 0.032          | 0.075                    | 0.057                     | 0.051          | 0.090          | 0.074          | 0.074          |
| 114                            | 0.122          | 0.104          | 0.082          | 0.032          | 0.027                    | 0.064                     | 0.049          | 0.043          | 0.074          | 0.063          |
| 102                            | 0.094          | 0.134          | 0.094          | 0.075          | 0.027                    | 0.025                     | 0.058          | 0.044          | 0.039          | 0.070          |
| 90                             | 0.112          | 0.083          | 0.119          | 0.073          | 0.066                    | 0.072                     | 0.022          | 0.051          | 0.039          | 0.035          |
| 78                             | 0.124          | 0.098          | 0.073          | 0.104          | 0.073                    | 0.058                     | 0.063          | 0.019          | 0.045          | 0.034          |
| 66                             | 0.124          | 0.098          | 0.073          | 0.065          | 0.073                    | 0.065                     | 0.052          | 0.019          | 0.045          | 0.040          |
| 54                             | 0.113          | 0.098          | 0.097          | 0.065          | 0.057                    | 0.081                     | 0.052          | 0.045          | 0.049          |                |
| 42                             | 0.123          |                |                |                |                          |                           |                |                |                | 0.015          |
| 42<br>30                       | 0.114          | 0.109<br>0.100 | 0.086          | 0.086<br>0.076 | 0.068<br>0.076           | 0.050<br>0.060            | 0.072<br>0.044 | 0.051          | 0.040<br>0.045 | 0.044<br>0.035 |
|                                |                |                | 0.097          |                |                          |                           |                | 0.064          |                |                |
| 18<br>6                        | 0.139<br>0.083 | 0.101<br>0.127 | 0.086<br>0.092 | 0.083<br>0.079 | 0.066<br>0.076           | 0.065<br>0.060            | 0.051<br>0.060 | 0.038<br>0.047 | 0.055<br>0.035 | 0.038<br>0.050 |
|                                |                |                |                |                |                          |                           |                |                |                |                |
|                                | 7/1/23         | 7/1/24         | 7/1/25         | 7/1/26         | yment Year Beg<br>7/1/27 | ginning (Contin<br>7/1/28 | ued)<br>7/1/29 | 7/1/30         | 7/1/31         | 7/1/32         |
| Report Year                    | .,.,_0         | .,.,           | .,.,_0         | .,.,_0         | .,.,                     | .,.,_0                    | .,.,_0         | .,.,,,,        | .,.,           | .,.,,,         |
| Development Age                |                |                |                |                |                          |                           |                |                |                |                |
| 270                            | _              | -              | -              | -              | _                        | -                         | _              | _              | _              | -              |
| 258                            | _              | -              | -              | -              | _                        | -                         | _              | _              | _              | -              |
| 246                            | _              | _              | _              | _              | _                        | _                         | _              | _              | _              | _              |
| 234                            | _              | _              | _              | _              | _                        | _                         | _              | _              | _              | _              |
| 222                            |                |                |                |                |                          |                           |                |                |                |                |
| 210                            |                |                |                |                |                          |                           |                |                |                |                |
| 198                            |                |                | -              |                |                          | -                         | -              | -              |                | -              |
| 186                            | -              | -              | -              | -              | -                        | -                         | -              | -              | -              | -              |
| 174                            | -              | -              | -              | -              |                          | -                         | -              | -              | -              | -              |
| 162                            | -              | -              | -              | -              | -                        | -                         | -              | -              | -              | -              |
| 150                            | 0.095          | -              | -              | -              |                          | -                         | -              | -              | -              | -              |
| 138                            | 0.095          | 0.085          | -              |                | -                        | -                         | -              | -              | -              | -              |
| 126                            | 0.074          | 0.074          | 0.074          | -              | -                        | -                         | -              | -              | -              | -              |
|                                |                |                |                |                | -                        | -                         | -              | -              | -              | -              |
| 114                            | 0.063          | 0.063          | 0.063          | 0.063          | 0.057                    | -                         | -              | -              | -              | -              |
| 102                            | 0.057          | 0.057          | 0.057          | 0.057          | 0.057                    | 0.054                     | -              | -              | -              | -              |
| 90                             | 0.062          | 0.051          | 0.051          | 0.051          | 0.051                    | 0.051                     | 0.045          | -              | -              | -              |
| 78                             | 0.031          | 0.054          | 0.045          | 0.045          | 0.045                    | 0.045                     | 0.045          | - 0.040        | -              | -              |
| 66                             | 0.030          | 0.027          | 0.048          | 0.040          | 0.040                    | 0.040                     | 0.040          | 0.040          | -              | -              |
| 54                             | 0.035          | 0.027          | 0.024          | 0.042          | 0.035                    | 0.035                     | 0.035          | 0.035          | 0.035          | -              |
| 42                             | 0.013          | 0.031          | 0.024          | 0.021          | 0.037                    | 0.031                     | 0.031          | 0.031          | 0.031          | 0.031          |
| 30                             | 0.038          | 0.012          | 0.027          | 0.021          | 0.019                    | 0.033                     | 0.027          | 0.027          | 0.027          | 0.027          |
| 18                             | 0.031          | 0.033          | 0.010          | 0.024          | 0.018                    | 0.016                     | 0.028          | 0.023          | 0.023          | 0.023          |
| 6                              | 0.035          | 0.028          | 0.030          | 0.009          | 0.022                    | 0.017                     | 0.015          | 0.026          | 0.022          | 0.022          |

Note: Percentages derived from payment pattern in Pro Forma 10.



#### USTIF Loss Fund Experience at 6/30/2013 Projected Loss & ALAE Payout Percentages Incremental Payout Percentages for Report Years 2013/14 and Subsequent

| (1)                           | (2)    | (3)    | (4)    | (5)    | (6)        | (7)          | (8)    | (9)    | (10)   | (11)   |
|-------------------------------|--------|--------|--------|--------|------------|--------------|--------|--------|--------|--------|
| _                             |        |        |        |        | Payment Ye | ar Beginning |        |        |        |        |
| _                             | 7/1/13 | 7/1/14 | 7/1/15 | 7/1/16 | 7/1/17     | 7/1/18       | 7/1/19 | 7/1/20 | 7/1/21 | 7/1/22 |
| Report Year<br>Beginning 7/1: |        |        |        |        |            |              |        |        |        |        |
| 2013                          | 0.045  | 0.105  | 0.109  | 0.085  | 0.078      | 0.068        | 0.060  | 0.053  | 0.041  | 0.043  |
| 2014                          | 0.043  | 0.045  | 0.105  | 0.109  | 0.085      | 0.078        | 0.068  | 0.060  | 0.053  | 0.041  |
| 2015                          |        | 0.045  | 0.045  | 0.105  | 0.109      | 0.085        | 0.078  | 0.068  | 0.060  | 0.053  |
| 2016                          |        | -      |        | 0.045  | 0.109      | 0.109        | 0.078  | 0.068  | 0.068  | 0.060  |
|                               | -      | -      | -      |        |            |              |        |        |        |        |
| 2017                          | -      | -      | -      | -      | 0.045      | 0.105        | 0.109  | 0.085  | 0.078  | 0.068  |
| 2018                          | -      | -      | -      | -      | -          | 0.045        | 0.105  | 0.109  | 0.085  | 0.078  |
| 2019                          | -      | -      | -      | -      | -          | -            | 0.045  | 0.105  | 0.109  | 0.085  |
| 2020                          | -      | -      | -      | -      | -          | -            | -      | 0.045  | 0.105  | 0.109  |
| 2021                          | -      | -      | -      | -      | -          | -            | -      | -      | 0.045  | 0.105  |
| 2022                          | -      | -      | -      | -      | -          | -            | -      | -      | -      | 0.045  |
| 2023                          | -      | -      | -      | -      | -          | -            | -      | -      | -      | -      |
| 2024                          | -      | -      | -      | -      | -          | -            | -      | -      | -      | -      |
| 2025                          | -      | _      | _      | -      | -          | _            | -      | -      | -      | -      |
| 2026                          | -      | _      | _      | -      | -          | _            | -      | -      | -      | -      |
| 2027                          | _      | _      | _      | -      | -          | _            | _      | _      | _      | -      |
| 2028                          | _      | _      | _      | -      | _          | _            | _      | _      | _      | _      |
| 2029                          | _      | _      | _      | _      | _          | _            | _      | _      | _      | _      |
| 2030                          | -      | _      | _      | -      | -          | -            | -      | _      | _      | -      |
| 2031                          | _      | _      | _      | _      | _          | _            |        | _      | _      | _      |
| 2032                          | -      | -      | -      | -      | -          | -            | -      | -      | -      | -      |

|                | Payment Year Beginning (Continued) |        |        |        |        |        |        |        |        |        |  |  |  |  |
|----------------|------------------------------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--|--|--|--|
| _              | 7/1/23                             | 7/1/24 | 7/1/25 | 7/1/26 | 7/1/27 | 7/1/28 | 7/1/29 | 7/1/30 | 7/1/31 | 7/1/32 |  |  |  |  |
| Report Year    |                                    |        |        |        |        |        |        |        |        |        |  |  |  |  |
| Beginning 7/1: |                                    |        |        |        |        |        |        |        |        |        |  |  |  |  |
| 2013           | 0.043                              | 0.032  | 0.029  | 0.020  | 0.015  | 0.019  | 0.016  | 0.020  | 0.024  | 0.021  |  |  |  |  |
| 2014           | 0.043                              | 0.043  | 0.032  | 0.029  | 0.020  | 0.015  | 0.019  | 0.016  | 0.020  | 0.024  |  |  |  |  |
| 2015           | 0.041                              | 0.043  | 0.043  | 0.032  | 0.029  | 0.020  | 0.015  | 0.019  | 0.016  | 0.020  |  |  |  |  |
| 2016           | 0.053                              | 0.041  | 0.043  | 0.043  | 0.032  | 0.029  | 0.020  | 0.015  | 0.019  | 0.016  |  |  |  |  |
| 2017           | 0.060                              | 0.053  | 0.041  | 0.043  | 0.043  | 0.032  | 0.029  | 0.020  | 0.015  | 0.019  |  |  |  |  |
| 2018           | 0.068                              | 0.060  | 0.053  | 0.041  | 0.043  | 0.043  | 0.032  | 0.029  | 0.020  | 0.015  |  |  |  |  |
| 2019           | 0.078                              | 0.068  | 0.060  | 0.053  | 0.041  | 0.043  | 0.043  | 0.032  | 0.029  | 0.020  |  |  |  |  |
| 2020           | 0.085                              | 0.078  | 0.068  | 0.060  | 0.053  | 0.041  | 0.043  | 0.043  | 0.032  | 0.029  |  |  |  |  |
| 2021           | 0.109                              | 0.085  | 0.078  | 0.068  | 0.060  | 0.053  | 0.041  | 0.043  | 0.043  | 0.032  |  |  |  |  |
| 2022           | 0.105                              | 0.109  | 0.085  | 0.078  | 0.068  | 0.060  | 0.053  | 0.041  | 0.043  | 0.043  |  |  |  |  |
| 2023           | 0.045                              | 0.105  | 0.109  | 0.085  | 0.078  | 0.068  | 0.060  | 0.053  | 0.041  | 0.043  |  |  |  |  |
| 2024           | -                                  | 0.045  | 0.105  | 0.109  | 0.085  | 0.078  | 0.068  | 0.060  | 0.053  | 0.041  |  |  |  |  |
| 2025           | -                                  | -      | 0.045  | 0.105  | 0.109  | 0.085  | 0.078  | 0.068  | 0.060  | 0.053  |  |  |  |  |
| 2026           | -                                  | -      | -      | 0.045  | 0.105  | 0.109  | 0.085  | 0.078  | 0.068  | 0.060  |  |  |  |  |
| 2027           | -                                  | -      | -      | -      | 0.045  | 0.105  | 0.109  | 0.085  | 0.078  | 0.068  |  |  |  |  |
| 2028           | -                                  | -      | -      | -      | -      | 0.045  | 0.105  | 0.109  | 0.085  | 0.078  |  |  |  |  |
| 2029           | -                                  | -      | -      | -      | -      | -      | 0.045  | 0.105  | 0.109  | 0.085  |  |  |  |  |
| 2030           | -                                  | -      | -      | -      | -      | -      | -      | 0.045  | 0.105  | 0.109  |  |  |  |  |
| 2031           | -                                  | -      | -      | -      | -      | -      | -      | -      | 0.045  | 0.105  |  |  |  |  |
| 2032           | -                                  | -      | -      | -      | -      | -      | -      | -      | -      | 0.045  |  |  |  |  |

Note: Based on 12, 24,36... payment pattern in Pro Forma 10.

(8)

(7)

71,098

73,942

76,900



(1)

7/1/30-31

7/1/31-32

7/1/32-33

(2)

## Pennsylvania Insurance Department / Bureau of Special Funds USTIF Loss Fund

## USTIF Loss Fund Experience at 6/30/2013 Projected Ultimate Loss & ALAE for July 1, 2013 Through June 30, 2033

(5)

434,699

447,740

461,172

(6)

77,052,986

79,364,576

81,745,513

(4)

177

177

177

**Estimated Projected Number Estimated Claim** Estimated Ultimate Estimated Ultimate Estimated Ultimate Ultimated ALAE **Estimated Ultimate** ALAE **Policy Period** of Tanks Frequency Claim Counts Loss Severity Loss Severity 177 7/1/13-14 24.282 0.0073 263.000 46.618.324 36.500 6,469,843 177 7/1/14-15 24,282 0.0073 270,890 37,960 48,016,874 6,728,637 7/1/15-16 24,282 0.0073 177 279,017 49,457,380 39,478 6,997,783 7/1/16-17 177 41,058 24,282 0.0073 287,387 50,941,101 7,277,694 7/1/17-18 24,282 0.0073 177 296,009 52,469,334 42,700 7,568,802 7/1/18-19 177 24,282 0.0073 304,889 54,043,414 44,408 7,871,554 7/1/19-20 177 24.282 0.0073 314.036 55.664.717 46.184 8.186.416 177 7/1/20-21 24,282 0.0073 323.457 57,334,658 48.032 8,513,873 7/1/21-22 24,282 0.0073 177 333.161 59,054,698 49.953 8,854,427 7/1/22-23 24,282 0.0073 177 343,155 60,826,339 51,951 9,208,605 7/1/23-24 24.282 0.0073 177 353.450 62,651,129 54.029 9.576.949 7/1/24-25 24,282 0.0073 177 364.054 64,530,663 56.190 9,960,027 7/1/25-26 24.282 0.0073 177 374.975 66.466.583 58.438 10.358.428 7/1/26-27 24,282 0.0073 177 386,224 60,775 68,460,580 10,772,765 7/1/27-28 24,282 0.0073 177 397,811 70,514,398 63,206 11,203,675 7/1/28-29 24,282 177 409,745 72,629,830 65,734 0.0073 11,651,823 7/1/29-30 24,282 0.0073 177 422,038 74,808,725 68,364 12,117,895

0.0073

0.0073

0.0073

(3)

24,282

24,282

24,282

12,602,611

13,106,716

13,630,984

<sup>(2)</sup> Projected using number of tanks from Pro Forma 9 with a 0% annual growth rate.

<sup>(3)</sup> Selected 2013/14 claim frequency from Pro Forma 8 trended to the midpoint of each policy period using a 0% trend rate from Pro Forma 9.

 $<sup>(4) = (2) \</sup>times (3)$ 

<sup>(5)</sup> Selected 2013/14 loss severity from Pro Forma 8 trended to the midpoint of each policy period using a 3.0% trend rate from Pro Forma 9.

 $<sup>(6) = (4) \</sup>times (5)$ 

<sup>(7)</sup> Selected 2013/14 ALAE severity from Pro Forma 8 trended to the midpoint of each policy period using a 4.0% trend rate from Pro Forma 9.

 $<sup>(8) = (4) \</sup>times (7)$ 



### USTIF Loss Fund Experience at 6/30/2013 1/1/2014 Frequency & Severity Assumptions

| (1)           | (2)                            | (3)                                | (4)                                   | (5)                       | (6)                           | (7)                                      | (8)                          | (9)                              | (10)  |
|---------------|--------------------------------|------------------------------------|---------------------------------------|---------------------------|-------------------------------|--|------------------------------|----------------------------------|---|
| Policy Period | Ultimate<br>Claim<br>Frequency | Claim<br>Frequency<br>Trend Factor | 1/1/2014<br>Trended Ult<br>Claim Freq | Ultimate Loss<br>Severity | Loss Severity<br>Trend Factor | 1/1/2014<br>Trended Ult<br>Loss Severity | Ultimate<br>ALAE<br>Severity | ALAE<br>Severity<br>Trend Factor | 1/1/2014<br>Trended Ult<br>ALAE<br>Severity |
| 1994          |                                | 1.0000                             |                                       | 04.706                    | 1.7796                        | 160 540                                  | 12.024                       | 2.1486                           | 20.704                                      |
|               | 0.0006                         | 1.0000                             | 0.0006                                | 94,706                    | 1.7796                        | 168,540                                  | 13,824                       |                                  | 29,701                                      |
| 1995<br>1996  | 0.0086<br>0.0083               | 1.0000                             | 0.0086<br>0.0083                      | 128,489<br>166,190        | 1.6775                        | 222,001<br>278,776                       | 4,102<br>6,039               | 2.0659<br>1.9865                 | 8,475                                       |
| 1996          |                                | 1.0000                             | 0.0083                                | 180.919                   |                               | ,  | ,                            |                                  | 11,996                                      |
| 1998          | 0.0101<br>0.0165               | 1.0000                             | 0.0101                                | 207,674                   | 1.6286<br>1.5812              | 294,644<br>328,367                       | 8,427<br>13,233              | 1.9101<br>1.8366                 | 16,096<br>24,303                            |
| 1999          | 0.0180                         | 1.0000                             | 0.0180                                | 228,846                   | 1.5351                        | 351,303                                  | 13,763                       | 1.7660                           | 24,305                                      |
| 2000          | 0.0180                         | 1.0000                             | 0.0180                                | 223,511                   | 1.4904                        | 333,121                                  | 14,326                       | 1.6980                           |   |
| 2000          | 0.0118                         | 1.0000                             | 0.0118                                | 280,174                   | 1.4470                        | 405,409                                  | 15,898                       | 1.6327                           | 24,326<br>25,957                            |
| 2001          | 0.0113                         | 1.0000                             | 0.0113                                | 219,410                   | 1.4048                        | 308,236                                  | 12,894                       | 1.5699                           | 20,243                                      |
| 2002          | 0.0119                         | 1.0000                             | 0.0119                                | 203,320                   | 1.3639                        | 277,313                                  | 14,938                       | 1.5099                           | 20,243<br>22,549                            |
| 2003          | 0.0065                         | 1.0000                             | 0.0065                                | 213,793                   | 1.3242                        | 283,105                                  | 17,683                       | 1.4515                           | 25,667                                      |
| 2004          | 0.00117                        | 1.0000                             | 0.0088                                | 211,427                   | 1.2856                        | 271,817                                  | 19,810                       | 1.3957                           | 27,648                                      |
| 2006          | 0.0066                         | 1.0000                             | 0.0079                                | 188,506                   | 1.2482                        | 235,290                                  | 16,554                       | 1.3420                           | 22,215                                      |
| 2007          | 0.0079                         | 1.0000                             | 0.0079                                | 244,565                   | 1.2118                        | 296,372                                  | 21,943                       | 1.2904                           | 28,315                                      |
| 2007          |                                |                                    | 0.0071                                | ,                         |                               | ,  | ,                            |                                  |   |
| 2008          | 0.0070<br>0.0070               | 1.0000<br>1.0000                   | 0.0070                                | 237,288                   | 1.1765<br>1.1423              | 279,178                                  | 28,249                       | 1.2407                           | 35,049                                      |
|               |                                |                                    |                                       | 229,885                   |                               | 262,590                                  | 34,483                       | 1.1930                           | 41,139                                      |
| 2010          | 0.0063                         | 1.0000                             | 0.0063                                | 243,590                   | 1.1090                        | 270,140                                  | 32,051                       | 1.1471                           | 36,767                                      |
| 2011<br>2012  | 0.0077<br>0.0073               | 1.0000<br>1.0000                   | 0.0077<br>0.0073                      | 232,086                   | 1.0767<br>1.0453              | 249,886                                  | 32,086                       | 1.1030<br>1.0606                 | 35,391                                      |
|               | 0.0073                         | 1.0000                             |                                       | 241,573<br>245.670        |                               | 252,525                                  | 33,731                       |                                  | 35,775                                      |
| 2013          | 0.0075                         | 1.0000                             | 0.0075                                | 245,670                   | 1.0149                        | 249,328                                  | 34,646                       | 1.0198                           | 35,332                                      |
|               |                                | Average Last 3                     | 0.0075                                |                           |                               | 250,580                                  |                              |                                  | 35,500                                      |
|               | Avera                          | age: 2010-2012                     | 0.0071                                |                           |                               | 257,517                                  |                              |                                  | 35,978                                      |
|               | Avera                          | age: 2008-2012                     | 0.0070                                |                           |                               | 262,864                                  |                              |                                  | 36,824                                      |
|               | Avera                          | age: 2007-2011                     | 0.0070                                |                           |                               | 271,633                                  |                              |                                  | 35,332                                      |
|               | Selected (Policy               | y Year 2013/14)                    | 0.0073                                |                           |                               | 263,000                                  |                              |                                  | 36,500                                      |

<sup>(2)</sup> From Pro Forma 9.

<sup>(3)</sup> Trended to January 1, 2014 using a 0% trend factor based on Pro Forma 9.

 $<sup>(4) = (2) \</sup>times (3)$ 

<sup>(5)</sup> From Pro Forma 9.

<sup>(6)</sup> Trended to January 1, 2014 using a 3.0% trend factor based on Pro Forma 9.

 $<sup>(7) = (5) \</sup>times (6)$ 

<sup>(8)</sup> From Pro Forma 9.

<sup>(9)</sup> Trended to January 1, 2014 using a 4.0% trend factor based on Pro Forma 9.

 $<sup>(10) = (8) \</sup>times (9)$ 



#### USTIF Loss Fund Experience at 6/30/2013 Summary Statistics - Frequency and Severity Trend Selections

(1) (2) (3) (6) (7) (9) (10) (11) **Ultimate Loss** Ultimate ALAE **Ultimate Claim Ultimate Loss** Ultimate ALAE Severity % Severity % **Policy Period** Number of Tanks **Ultimate Counts** Ultimate Claim Frequency Frequency % Change **Ultimate Losses** Severity Change Ultimate ALAE Severity Change 1994 170 16,100,000 94,706 2,350,000 13,824 1995 45,452 389 0.0086 49,982,266 128,489 35.7% 1,595,753 4,102 -70.3% 46 067 383 0.0083 -2 9% 63.650.636 166 190 29.3% 2.312.881 6.039 47.2% 1996 1997 42,738 433 0.0101 21.9% 78,337,891 180,919 8.9% 3,648,748 8,427 39.5% 1998 32,104 529 0.0165 62.6% 109,859,688 207,674 14.8% 7,000,000 13,233 57.0% 1999 31,880 574 0.0180 9.3% 131,357,414 228,846 10.2% 7,900,000 13,763 4.0% 2000 30.099 356 0.0118 -34.3% 79.570.010 223.511 -2.3% 5.100.000 14.326 4.1% 2001 29,539 333 0.0113 -4.7% 93,297,936 280 174 25.4% 5,293,985 15,898 11.0% 2002 29,215 349 0.0119 6.0% 76,573,964 219,410 -21.7% 4,500,000 12,894 -18.9% 2003 28,311 241 0.0085 -28.7% 49,000,000 203,320 -7.3% 3,600,000 14,938 15.9% 2004 27.310 319 0.0117 37.2% 68.200.000 213,793 5.2% 5.640.937 17.683 18.4% -24.9% 19.810 12.0% 2005 26.890 236 0.0088 49.896.809 211.427 -1.1% 4.675.064 2006 26,305 207 0.0079 -10.3% 39,020,687 188,506 -10.8% 3,426,647 16,554 -16.4% 2007 25,760 184 0.0071 -9.2% 45,000,000 244,565 29.7% 4,037,579 21,943 32.6% 2008 25,408 177 0.0070 -2.5% 42,000,000 237,288 -3.0% 5,000,000 28,249 28.7% 24,993 174 0.0070 -0.1% 40,000,000 229,885 -3.1% 6,000,000 34,483 2009 22 1% 156 38,000,000 243.590 5,000,000 32.051 2010 24,745 0.0063 -9.4% 6.0% -7.1% 2011 24,360 187 0.0077 21.8% 43,400,000 232,086 -4.7% 6,000,000 32,086 0.1% 178 0.0073 43,000,000 241,573 33,731 2012 24,358 -4.8% 4.1% 6,004,147 5.1% 2013 24,282 182 0.0075 2.6% 44,712,000 245,670 1.7% 6,305,628 34,646 2.7% Indicated Trend - Latest 10 years (Excl. 2013) -3.78% 2.08% 10.42% Indicated Trend - 2008 through 2012 1.95% 0.45% 2.87% Indicated Trend - Latest 3 years -1.19% 2.89% 3.91%

0.00%

Selected

4.00%

3.00%

<sup>(2)</sup> Provided by USTIF.

<sup>(2)</sup> Estimates for 2012 and 2013

<sup>(3)</sup> From Exhibit 7.

<sup>(4) = (3) / (2)</sup> 

<sup>(5)</sup> Period-over-Period change in (4).

<sup>(6)</sup> From Exhibit 2.

<sup>(7) = (6) / (3)</sup> 

<sup>(8)</sup> Period-over-Period change in (7).

<sup>(9)</sup> From Exhibit 8.

<sup>(10) = (9) / (3)</sup> 

<sup>(11)</sup> Period-over-Period change in (10).



#### USTIF Loss Fund Experience at 6/30/2013 Estimated Payment Pattern

(1) (2) (3) (4) (5) (6)

| Maturity<br>(Months) | Incremental<br>Percentage Paid | Cumulative<br>Percentage Paid | Maturity<br>(Months) | Implied<br>Incremental<br>Percentage Paid | Interpolated<br>Cumulative<br>Percentage Paid |
|----------------------|--------------------------------|-------------------------------|----------------------|---|---|
| 6                    | 0.003                          | 0.003                         | 12                   | 0.045                                     | 0.045   |
| 18                   | 0.083                          | 0.086                         | 24                   | 0.105                                     | 0.150   |
| 30                   | 0.127                          | 0.213                         | 36                   | 0.109                                     | 0.259   |
| 42                   | 0.092                          | 0.305                         | 48                   | 0.085                                     | 0.344   |
| 54                   | 0.079                          | 0.384                         | 60                   | 0.078                                     | 0.422   |
| 66                   | 0.076                          | 0.460                         | 72                   | 0.068                                     | 0.490   |
| 78                   | 0.060                          | 0.520                         | 84                   | 0.060                                     | 0.550   |
| 90                   | 0.059                          | 0.580                         | 96                   | 0.053                                     | 0.603   |
| 102                  | 0.047                          | 0.627                         | 108                  | 0.041                                     | 0.644   |
| 114                  | 0.035                          | 0.662                         | 120                  | 0.043                                     | 0.687   |
| 126                  | 0.050                          | 0.712                         | 132                  | 0.043                                     | 0.729   |
| 138                  | 0.035                          | 0.747                         | 144                  | 0.032                                     | 0.761   |
| 150                  | 0.028                          | 0.775                         | 156                  | 0.029                                     | 0.790   |
| 162                  | 0.030                          | 0.805                         | 168                  | 0.020                                     | 0.810   |
| 174                  | 0.009                          | 0.814                         | 180                  | 0.015                                     | 0.825   |
| 186                  | 0.022                          | 0.836                         | 192                  | 0.019                                     | 0.844   |
| 198                  | 0.016                          | 0.852                         | 204                  | 0.016                                     | 0.859   |
| 210                  | 0.015                          | 0.867                         | 216                  | 0.020                                     | 0.880   |
| 222                  | 0.026                          | 0.893                         | 228                  | 0.024                                     | 0.904   |
| 234                  | 0.021                          | 0.914                         | 240                  | 0.021                                     | 0.925   |
| 246                  | 0.021                          | 0.936                         | 252                  | 0.021                                     | 0.946   |
| 258                  | 0.021                          | 0.957                         | 264                  | 0.021                                     | 0.968   |
| 270                  | 0.021                          | 0.979                         | 276                  | 0.021                                     | 0.989   |
| 282                  | 0.021                          | 1.000                         | 288                  | 0.011                                     | 1.000   |

<sup>(2)</sup> Based on (3).

<sup>(3)</sup> From Pro Forma 11.

<sup>(5)</sup> Based on (6).

<sup>(6)</sup> Interpolated based on (3).



### USTIF Loss Fund Experience at 6/30/2013 Estimated Payment Pattern

|  |   |  |  |   |   |   |   | Paid  | Loss & ALAE   | Combined <sup>1</sup>  |   |   |   |   |   |  |  |  |                          |   | ated Ultimate<br>s & ALAE <sup>2</sup>   |
|--|---|--|--|---|---|---|---|---|---|--|---|---|---|---|---|--|--|--|--------------------------|---|--|
| Policy Period  | 6   | 18   | 30   | 42  | 54  | 66  | 78  | 90  | 102   | 114  | 126   | 138   | 150   | 162   | 174   | 186  | 198  | 210                                    | 222                      |   |  |
| 1994<br>1996<br>1996<br>1997<br>1998<br>1999<br>2000<br>2001<br>2002<br>2003<br>2004<br>2005<br>2006<br>2007<br>2008<br>2009<br>2010<br>2011<br>2011<br>2011<br>2012 | 26,549<br>80,363<br>378,046<br>815,371<br>669,532<br>995,206<br>1,575,214<br>809,903<br>228,084<br>177,897<br>63,928<br>130,235<br>109,170<br>291,760<br>484,494<br>303,418<br>291,417<br>176,467<br>72,256<br>74,933 | 1,112,976<br>4,087,659<br>5,783,162<br>7,875,779<br>12,642,059<br>10,809,677<br>8,024,820<br>8,376,286<br>7,089,086<br>4,463,156<br>4,463,156<br>4,311,757<br>5,926,828<br>5,679,183<br>5,221,079<br>4,356,960<br>3,575,459<br>2,846,016 | 2,719,186<br>9,026,123<br>11,263,295<br>14,758,342<br>22,085,159<br>24,747,463<br>18,477,080<br>14,710,589<br>10,291,790<br>11,180,929<br>11,734,761<br>11,264,089<br>10,432,624<br>9,432,624<br>8,574,608 | 4,236,228<br>12,185,081<br>16,306,452<br>21,017,720<br>30,767,672<br>37,178,409<br>25,954,735<br>27,605,858<br>22,931,509<br>16,163,904<br>22,225,037<br>16,559,427<br>12,988,017<br>16,555,350<br>15,406,955<br>13,860,316<br>13,085,279 | 5,285,263<br>14,744,313<br>19,975,004<br>27,565,532<br>40,238,127<br>49,219,242<br>33,207,452<br>23,207,452<br>20,582,941<br>28,765,844<br>21,328,688<br>16,383,871<br>20,335,786<br>18,425,257<br>16,792,828 | 5,939,452<br>17,944,081<br>24,322,249<br>33,565,170<br>49,458,358<br>60,182,300<br>40,522,360<br>45,163,118<br>36,856,750<br>24,137,096<br>34,380,616<br>25,240,041<br>19,560,516<br>23,018,153<br>21,278,261 | 7,482,553<br>20,821,180<br>28,142,300<br>39,449,251<br>57,111,018<br>69,633,767<br>47,051,556<br>52,263,847<br>42,864,181<br>27,631,165<br>39,561,793<br>28,461,680<br>21,949,600<br>25,579,250 | 8,564,703<br>23,888,062<br>32,001,522<br>46,062,610<br>64,772,688<br>78,161,811<br>52,057,715<br>57,451,754<br>48,271,600<br>30,336,428<br>43,569,545<br>31,679,023<br>24,117,224 | 9,477,406<br>26,748,044<br>35,414,898<br>50,123,154<br>72,443,459<br>85,782,496<br>55,960,339<br>62,131,654<br>31,714,403<br>32,578,695<br>46,170,063<br>34,044,114 | 10,350,474 29,137,306 38,905,007 54,060,367 78,531,873 92,972,886 59,329,017 66,554,758 54,530,815 34,550,206 48,387,478 | 11,252,051<br>31,472,990<br>42,351,042<br>57,548,621<br>84,457,462<br>100,362,130<br>62,243,765<br>70,330,364<br>57,201,640<br>36,433,179 | 12,195,614<br>33,896,880<br>45,936,538<br>61,182,809<br>88,187,040<br>105,081,248<br>64,238,729<br>73,282,030<br>59,247,608 | 13,032,291<br>35,887,456<br>48,598,758<br>63,893,939<br>91,693,377<br>108,548,127<br>66,072,476<br>75,362,419 | 13,588,994<br>38,745,968<br>50,740,689<br>66,393,287<br>95,304,283<br>111,624,317<br>67,561,969 | 15,314,938<br>40,517,288<br>51,888,245<br>68,349,233<br>96,878,133<br>114,222,172 | 15,709,728<br>41,928,197<br>53,592,372<br>69,868,218<br>99,267,204 | 16,081,707<br>43,374,296<br>54,782,889<br>70,964,001 | 16,385,041<br>44,481,220<br>56,070,870 | 16,710,120<br>45,385,634 | 1994 1995 1996 1997 1998 1999 2000 2001 2002 2003 2004 2005 2006 2007 2008 2009 2011 2011 2012 2013 | 18,450,000<br>51,578,019<br>65,963,517<br>81,986,640<br>116,856,568<br>139,257,414<br>84,267,010<br>98,591,921<br>81,073,964<br>52,600,000<br>73,840,937<br>54,571,873<br>49,037,579<br>40,000,000<br>46,000,000<br>49,000,000<br>49,000,147<br>51,017,628 |
| Policy Period  | 6   | 18   | 30   | 42  | 54  | 66  | 78  | 90  | 102   | 114  | 126   | 138   | 150   | 162   | 174   | 186  | 198  | 210                                    | 222                      |   |  |
| 1994<br>1995<br>1996<br>1997<br>1998<br>1999<br>2000<br>2001<br>2002<br>2003<br>2004<br>2005<br>2006<br>2007<br>2008<br>2009<br>2010<br>2011<br>2012<br>2011<br>2012 | 0.001<br>0.002<br>0.006<br>0.010<br>0.006<br>0.007<br>0.019<br>0.003<br>0.003<br>0.001<br>0.002<br>0.003<br>0.006<br>0.010<br>0.007<br>0.007  | 0.060<br>0.079<br>0.088<br>0.096<br>0.108<br>0.078<br>0.085<br>0.087<br>0.085<br>0.087<br>0.069<br>0.069<br>0.121<br>0.121<br>0.121<br>0.101<br>0.072  | 0.147<br>0.175<br>0.171<br>0.180<br>0.189<br>0.178<br>0.217<br>0.187<br>0.181<br>0.196<br>0.151<br>0.206<br>0.207<br>0.239<br>0.240<br>0.227<br>0.213<br>0.174   | 0.230<br>0.236<br>0.247<br>0.256<br>0.263<br>0.267<br>0.307<br>0.280<br>0.283<br>0.307<br>0.303<br>0.303<br>0.303<br>0.303<br>0.308<br>0.338<br>0.304   | 0.286<br>0.286<br>0.303<br>0.336<br>0.344<br>0.353<br>0.392<br>0.375<br>0.369<br>0.391<br>0.391<br>0.391<br>0.391<br>0.395<br>0.395   | 0.322<br>0.348<br>0.369<br>0.409<br>0.423<br>0.432<br>0.479<br>0.458<br>0.455<br>0.466<br>0.463<br>0.461<br>0.469<br>0.453  | 0.406<br>0.404<br>0.427<br>0.481<br>0.500<br>0.556<br>0.530<br>0.529<br>0.525<br>0.525<br>0.521<br>0.522  | 0.464<br>0.463<br>0.485<br>0.562<br>0.554<br>0.561<br>0.615<br>0.583<br>0.595<br>0.577<br>0.590<br>0.581  | 0.514<br>0.519<br>0.537<br>0.611<br>0.620<br>0.616<br>0.630<br>0.638<br>0.619<br>0.625  | 0.561<br>0.565<br>0.590<br>0.659<br>0.672<br>0.668<br>0.701<br>0.675<br>0.673<br>0.657                                   | 0.610<br>0.610<br>0.642<br>0.702<br>0.723<br>0.721<br>0.735<br>0.713<br>0.706<br>0.693  | 0.661<br>0.657<br>0.696<br>0.746<br>0.755<br>0.755<br>0.759<br>0.743  | 0.706<br>0.696<br>0.737<br>0.779<br>0.785<br>0.779<br>0.780<br>0.764  | 0.737<br>0.751<br>0.769<br>0.810<br>0.816<br>0.802<br>0.798                                     | 0.830<br>0.786<br>0.787<br>0.834<br>0.829<br>0.820                                | 0.851<br>0.813<br>0.812<br>0.852<br>0.849                          | 0.872<br>0.841<br>0.831<br>0.866                     | 0.888<br>0.862<br>0.850                | 0.906<br>0.880           |   |  |
| average<br>last 4 avg<br>last 3 avg<br>Last 2 avg  | 0.005<br>0.003<br>0.002<br>0.001  | 0.088<br>0.086<br>0.077<br>0.065   | 0.193<br>0.213<br>0.204<br>0.193   | 0.286<br>0.318<br>0.311<br>0.303  | 0.361<br>0.389<br>0.391<br>0.379  | 0.431<br>0.461<br>0.461<br>0.461  | 0.496<br>0.524<br>0.520<br>0.519  | 0.554<br>0.579<br>0.580<br>0.574  | 0.601<br>0.627<br>0.623<br>0.625  | 0.643<br>0.665<br>0.662<br>0.656   | 0.685<br>0.712<br>0.704<br>0.699  | 0.723<br>0.747<br>0.744<br>0.737  | 0.753<br>0.777<br>0.775<br>0.772  | 0.783<br>0.806<br>0.805<br>0.800  | 0.814<br>0.817<br>0.828<br>0.825  | 0.836<br>0.832<br>0.838<br>0.851                                   | 0.852<br>0.852<br>0.846<br>0.848                     | 0.867<br>0.867<br>0.856                | 0.893                    |   |  |
| Prior Selected   | 0.004   | 0.090  | 0.213  | 0.303   | 0.384   | 0.448   | 0.500   | 0.569   | 0.613   | 0.657  | 0.704   | 0.740   | 0.769   | 0.790   | 0.807   | 0.827  | 0.846  | 0.880                                  |                          |   |  |
| Selected   | 0.003   | 0.086  | 0.213  | 0.305   | 0.384   | 0.460   | 0.520   | 0.580   | 0.627   | 0.662  | 0.712   | 0.747   | 0.775   | 0.805   | 0.814   | 0.836  | 0.852  | 0.867                                  | 0.893                    |   |  |

Based on Exhibit 13 and Exhibit 15.
 From Pro Forma 12



#### USTIF Loss Fund Experience at 6/30/2013 Summary of Estimated Ultimate Loss & ALAE

(1) (2) (3)

| Policy Period | Estimated Ultimate Loss | Estimated Ultimate ALAE | Estimated Ultimate<br>Loss & ALAE |
|---------------|-------------------------|-------------------------|-----------------------------------|
| 1994          | 16,100,000              | 2,350,000               | 18,450,000                        |
| 1995          | 49,982,266              | 1,595,753               | 51,578,019                        |
| 1996          | 63,650,636              | 2,312,881               | 65,963,517                        |
| 1997          | 78,337,891              | 3,648,748               | 81,986,640                        |
| 1998          | 109,859,688             | 7,000,000               | 116,859,688                       |
| 1999          | 131,357,414             | 7,900,000               | 139,257,414                       |
| 2000          | 79,570,010              | 5,100,000               | 84,670,010                        |
| 2001          | 93,297,936              | 5,293,985               | 98,591,921                        |
| 2002          | 76,573,964              | 4,500,000               | 81,073,964                        |
| 2003          | 49,000,000              | 3,600,000               | 52,600,000                        |
| 2004          | 68,200,000              | 5,640,937               | 73,840,937                        |
| 2005          | 49,896,809              | 4,675,064               | 54,571,873                        |
| 2006          | 39,020,687              | 3,426,647               | 42,447,334                        |
| 2007          | 45,000,000              | 4,037,579               | 49,037,579                        |
| 2008          | 42,000,000              | 5,000,000               | 47,000,000                        |
| 2009          | 40,000,000              | 6,000,000               | 46,000,000                        |
| 2010          | 38,000,000              | 5,000,000               | 43,000,000                        |
| 2011          | 43,400,000              | 6,000,000               | 49,400,000                        |
| 2012          | 43,000,000              | 6,004,147               | 49,004,147                        |
| 2013          | 44,712,000              | 6,305,628               | 51,017,628                        |
| Total         | 1,200,959,303           | 95,391,369              | 1,296,350,672                     |

<sup>(2)</sup> From Exhibit 2

<sup>(3)</sup> From Exhibit 8

<sup>(4) = (2) + (3)</sup> 



## USTIF Loss Fund Experience at 6/30/2013 Paid Loss & ALAE

(1) (2) (3)

|               |             |            | Paid Loss & ALAE |
|---------------|-------------|------------|------------------|
| Policy Period | Paid Loss   | Paid ALAE  | Combined         |
| 1994          | 14,717,050  | 2,243,806  | 16,960,856       |
| 1995          | 44,174,078  | 1,211,556  | 45,385,634       |
| 1996          | 54,500,935  | 1,569,935  | 56,070,870       |
| 1997          | 68,349,730  | 2,614,271  | 70,964,001       |
| 1998          | 94,098,293  | 5,168,911  | 99,267,204       |
| 1999          | 108,943,899 | 5,278,273  | 114,222,172      |
| 2000          | 64,457,740  | 3,104,229  | 67,561,969       |
| 2001          | 72,723,966  | 2,638,453  | 75,362,419       |
| 2002          | 57,084,147  | 2,163,461  | 59,247,608       |
| 2003          | 34,739,575  | 1,693,604  | 36,433,179       |
| 2004          | 45,878,641  | 2,508,837  | 48,387,478       |
| 2005          | 32,029,453  | 2,014,661  | 34,044,114       |
| 2006          | 22,905,540  | 1,211,684  | 24,117,224       |
| 2007          | 24,325,300  | 1,253,950  | 25,579,250       |
| 2008          | 19,898,848  | 1,379,413  | 21,278,261       |
| 2009          | 15,379,563  | 1,413,265  | 16,792,828       |
| 2010          | 12,273,389  | 811,890    | 13,085,279       |
| 2011          | 7,776,653   | 797,955    | 8,574,608        |
| 2012          | 2,506,650   | 339,366    | 2,846,016        |
| 2013          | 55,803      | 19,130     | 74,933           |
| Total         | 796,819,253 | 39,436,650 | 836,255,903      |

<sup>(2)</sup> From Exhibit 25

<sup>(3)</sup> From Exhibit 25

<sup>(4) = (2) + (3)</sup> 



#### **USTIF Loss Fund Experience at 6/30/2013 Estimated Unpaid Loss**

| (1)                | (2)                | (3)         | (4)          | (5)                | (6)            | (7)                   |
|--------------------|--------------------|-------------|--------------|--------------------|----------------|-----------------------|
|                    | Estimated Ultimate |             |              |                    |                |                       |
| Policy Period      | Loss               | Paid Loss   | Case Reserve | Case Incurred Loss | Estimated IBNR | Estimated Unpaid Loss |
| 1994               | 16,100,000         | 14,717,050  | 594,711      | 15,311,761         | 788,239        | 1,382,950             |
| 1995               | 49,982,266         | 44,174,078  | 3,506,319    | 47,680,397         | 2,301,869      | 5,808,188             |
| 1996               | 63,650,636         | 54,500,935  | 5,349,234    | 59,850,169         | 3,800,467      | 9,149,701             |
| 1997               | 78,337,891         | 68,349,730  | 3,491,780    | 71,841,510         | 6,496,381      | 9,988,161             |
| 1998               | 109,859,688        | 94,098,293  | 5,019,624    | 99,117,917         | 10,741,771     | 15,761,395            |
| 1999               | 131,357,414        | 108,943,899 | 7,673,367    | 116,617,266        | 14,740,148     | 22,413,515            |
| 2000               | 79,570,010         | 64,457,740  | 4,544,850    | 69,002,590         | 10,567,420     | 15,112,270            |
| 2001               | 93,297,936         | 72,723,966  | 7,312,098    | 80,036,064         | 13,261,872     | 20,573,970            |
| 2002               | 76,573,964         | 57,084,147  | 7,254,517    | 64,338,664         | 12,235,300     | 19,489,817            |
| 2003               | 49,000,000         | 34,739,575  | 5,326,902    | 40,066,477         | 8,933,523      | 14,260,425            |
| 2004               | 68,200,000         | 45,878,641  | 8,692,840    | 54,571,481         | 13,628,519     | 22,321,359            |
| 2005               | 49,896,809         | 32,029,453  | 6,059,773    | 38,089,226         | 11,807,583     | 17,867,356            |
| 2006               | 39,020,687         | 22,905,540  | 5,026,730    | 27,932,270         | 11,088,417     | 16,115,147            |
| 2007               | 45,000,000         | 24,325,300  | 4,228,030    | 28,553,330         | 16,446,670     | 20,674,700            |
| 2008               | 42,000,000         | 19,898,848  | 5,287,866    | 25,186,714         | 16,813,286     | 22,101,152            |
| 2009               | 40,000,000         | 15,379,563  | 6,186,163    | 21,565,726         | 18,434,274     | 24,620,437            |
| 2010               | 38,000,000         | 12,273,389  | 8,458,262    | 20,731,651         | 17,268,349     | 25,726,611            |
| 2011               | 43,400,000         | 7,776,653   | 11,119,495   | 18,896,148         | 24,503,852     | 35,623,347            |
| 2012               | 43,000,000         | 2,506,650   | 12,737,282   | 15,243,932         | 27,756,068     | 40,493,350            |
| 1/1/2013-6/30/2013 | 22,356,000 1       | 55,803      | 9,469,197    | 9,525,000          | 12,831,000     | 22,300,197            |
| Total              | 1,178,603,303      | 796,819,253 | 127,339,040  | 924,158,293        | 254,445,010    | 381,784,050           |

<sup>(2)</sup> From Exhibit 2

<sup>(3)</sup> From Exhibit 25

<sup>(4)</sup> From Exhibit 25

<sup>(5) = (3) + (4)</sup> 

<sup>(6) = (2) - (5)</sup> 

<sup>(7) = (4) + (6)</sup> 

 $<sup>^{1}</sup>$  2013 estimate from Exhibit 2 multiplied by 50% to estimate the ultimate loss for 1/1/13-6/30/13.



#### USTIF Loss Fund Experience at 6/30/2013 Estimated Unpaid ALAE

(1) (2) (3)

| Policy Period      | Estimated Ultimate ALAE | Paid ALAE  | Estimated Unpaid ALAE |
|--------------------|-------------------------|------------|-----------------------|
| 1994               | 2,350,000               | 2,243,806  | 106,194               |
| 1995               | 1,595,753               | 1,211,556  | 384,197               |
| 1996               | 2,312,881               | 1,569,935  | 742,946               |
| 1997               | 3,648,748               | 2,614,271  | 1,034,477             |
| 1998               | 7,000,000               | 5,168,911  | 1,831,089             |
| 1999               | 7,900,000               | 5,278,273  | 2,621,727             |
| 2000               | 5,100,000               | 3,104,229  | 1,995,771             |
| 2001               | 5,293,985               | 2,638,453  | 2,655,532             |
| 2002               | 4,500,000               | 2,163,461  | 2,336,539             |
| 2003               | 3,600,000               | 1,693,604  | 1,906,396             |
| 2004               | 5,640,937               | 2,508,837  | 3,132,100             |
| 2005               | 4,675,064               | 2,014,661  | 2,660,403             |
| 2006               | 3,426,647               | 1,211,684  | 2,214,963             |
| 2007               | 4,037,579               | 1,253,950  | 2,783,629             |
| 2008               | 5,000,000               | 1,379,413  | 3,620,587             |
| 2009               | 6,000,000               | 1,413,265  | 4,586,735             |
| 2010               | 5,000,000               | 811,890    | 4,188,110             |
| 2011               | 6,000,000               | 797,955    | 5,202,045             |
| 2012               | 6,004,147               | 339,366    | 5,664,781             |
| 1/1/2013-6/30/2013 | 3,152,814               | 19,130     | 3,133,684             |
| Total              | 92,238,555              | 39,436,650 | 52,801,905            |

<sup>(2)</sup> From Exhibit 8

<sup>(3)</sup> From Exhibit 25

<sup>(4) = (2) - (3)</sup> 

<sup>&</sup>lt;sup>1</sup> 2013 estimate from Exhibit 8 multiplied by 50% to estimate the ultimate ALAE for 1/1/13-6/30/13.



#### USTIF Loss Fund Experience at 6/30/2013 Estimated Ultimate Loss

| (1) | (2) | (3) | (4) | (5)          | (6)           | (7) | (8) |
|-----|-----|-----|-----|--------------|---------------|-----|-----|
|     |     |     |     | Ultimate Los | s Indications |     |     |

|               |             |               | Incurred Loss Loss Development | Paid Loss<br>Loss Development | Incurred Loss   | Paid Loss       |                        |
|---------------|-------------|---------------|--------------------------------|-------------------------------|-----------------|-----------------|------------------------|
| Policy Period | Paid Loss   | Incurred Loss | Method                         | Method                        | Cape Cod Method | Cape Cod Method | Selected Ultimate Loss |
| 1994          | 14,717,050  | 15,311,761    | 16,007,750                     | 15,855,784                    | 16,453,526      | 16,592,757      | 16,100,000             |
| 1995          | 44,174,078  | 47,680,397    | 50,445,860                     | 48,591,486                    | 51,145,798      | 49,893,385      | 49,982,266             |
| 1996          | 54,500,935  | 59,850,169    | 64,081,337                     | 61,210,000                    | 64,227,294      | 61,755,728      | 63,650,636             |
| 1997          | 68,349,730  | 71,841,510    | 77,843,462                     | 78,682,671                    | 77,977,799      | 78,847,633      | 78,337,891             |
| 1998          | 94,098,293  | 99,117,917    | 108,687,443                    | 111,031,934                   | 108,196,012     | 109,969,954     | 109,859,688            |
| 1999          | 108,943,899 | 116,617,266   | 129,410,815                    | 132,405,583                   | 128,271,180     | 130,101,562     | 131,357,414            |
| 2000          | 64,457,740  | 69,002,590    | 77,491,421                     | 80,689,251                    | 77,358,215      | 80,041,705      | 79,570,010             |
| 2001          | 72,723,966  | 80,036,064    | 91,410,252                     | 94,314,381                    | 89,300,579      | 90,059,053      | 93,297,936             |
| 2002          | 57,084,147  | 64,338,664    | 74,804,720                     | 76,770,547                    | 76,209,582      | 79,233,675      | 76,573,964             |
| 2003          | 34,739,575  | 40,066,477    | 47,562,411                     | 48,962,649                    | 47,100,519      | 48,646,216      | 49,000,000             |
| 2004          | 45,878,641  | 54,571,481    | 66,400,647                     | 68,218,695                    | 65,391,708      | 67,301,249      | 68,200,000             |
| 2005          | 32,029,453  | 38,089,226    | 47,550,608                     | 50,483,360                    | 47,181,323      | 50,189,470      | 49,896,809             |
| 2006          | 22,905,540  | 27,932,270    | 35,916,779                     | 38,629,852                    | 36,961,180      | 41,080,194      | 39,020,687             |
| 2007          | 24,325,300  | 28,553,330    | 38,734,716                     | 45,331,802                    | 38,248,439      | 43,373,774      | 45,000,000             |
| 2008          | 19,898,848  | 25,186,714    | 36,559,387                     | 42,274,411                    | 36,407,178      | 41,407,541      | 42,000,000             |
| 2009          | 15,379,563  | 21,565,726    | 32,649,443                     | 38,227,816                    | 33,757,524      | 39,802,422      | 40,000,000             |
| 2010          | 12,273,389  | 20,731,651    | 32,956,030                     | 38,133,793                    | 32,854,484      | 37,709,656      | 38,000,000             |
| 2011          | 7,776,653   | 18,896,148    | 33,042,049                     | 35,035,332                    | 35,825,736      | 43,407,275      | 43,400,000             |
| 2012          | 2,506,650   | 15,243,932    | 27,455,409                     | 25,183,267                    | 32,242,798      | 42,761,342      | 43,000,000             |
| 2013          | 55,803      | 9,525,000     | 34,310,408                     | 33,637,768                    | 38,742,402      | 47,286,133      | 44,712,000             |
| Total         | 796,819,253 | 924,158,293   | 1,123,320,947                  | 1,163,670,380                 | 1,133,853,276   | 1,199,460,726   | 1,200,959,303          |

<sup>(2) &</sup>amp; (3) From Exhibit 25

<sup>(4)</sup> From Exhibit 3

<sup>(5)</sup> From Exhibit 4

<sup>(6)</sup> From Exhibit 5

<sup>(7)</sup> From Exhibit 6

<sup>(8)</sup> Selected judgmentally.

<sup>(8)</sup> Considers data treatment of Post Remedial Care (PRC) costs. See the text for more details and Exhibit 29 for a data summary.



#### **USTIF Loss Fund Experience at 6/30/2013** Incurred Loss Development

(1) (2) (3) (4)

|               | Cumulative Incurred Loss |                    |                         |  |  |  |  |  |  |
|---------------|--------------------------|--------------------|-------------------------|--|--|--|--|--|--|
| Policy Period | Incurred Loss            | Development Factor | Estimated Ultimate Loss |  |  |  |  |  |  |
| 1994          | 15,311,761               | 1.045              | 16,007,750              |  |  |  |  |  |  |
| 1995          | 47,680,397               | 1.058              | 50,445,860              |  |  |  |  |  |  |
| 1996          | 59,850,169               | 1.071              | 64,081,337              |  |  |  |  |  |  |
| 1997          | 71,841,510               | 1.084              | 77,843,462              |  |  |  |  |  |  |
| 1998          | 99,117,917               | 1.097              | 108,687,443             |  |  |  |  |  |  |
| 1999          | 116,617,266              | 1.110              | 129,410,815             |  |  |  |  |  |  |
| 2000          | 69,002,590               | 1.123              | 77,491,421              |  |  |  |  |  |  |
| 2001          | 80,036,064               | 1.142              | 91,410,252              |  |  |  |  |  |  |
| 2002          | 64,338,664               | 1.163              | 74,804,720              |  |  |  |  |  |  |
| 2003          | 40,066,477               | 1.187              | 47,562,411              |  |  |  |  |  |  |
| 2004          | 54,571,481               | 1.217              | 66,400,647              |  |  |  |  |  |  |
| 2005          | 38,089,226               | 1.248              | 47,550,608              |  |  |  |  |  |  |
| 2006          | 27,932,270               | 1.286              | 35,916,779              |  |  |  |  |  |  |
| 2007          | 28,553,330               | 1.357              | 38,734,716              |  |  |  |  |  |  |
| 2008          | 25,186,714               | 1.452              | 36,559,387              |  |  |  |  |  |  |
| 2009          | 21,565,726               | 1.514              | 32,649,443              |  |  |  |  |  |  |
| 2010          | 20,731,651               | 1.590              | 32,956,030              |  |  |  |  |  |  |
| 2011          | 18,896,148               | 1.749              | 33,042,049              |  |  |  |  |  |  |
| 2012          | 15,243,932               | 1.801              | 27,455,409              |  |  |  |  |  |  |
| 2013          | 9,525,000                | 3.602              | 34,310,408              |  |  |  |  |  |  |
| Total         | 924,158,293              |                    | 1,123,320,947           |  |  |  |  |  |  |

<sup>(2)</sup> From Exhibit 25(3) From Exhibit 11

 $<sup>(4) = (2) \</sup>times (3)$ 



## USTIF Loss Fund Experience at 6/30/2013 Paid Loss Development Method

(1) (2) (3)

|               |             | <b>Cumulative Paid Loss</b> |                         |
|---------------|-------------|-----------------------------|-------------------------|
| Policy Period | Paid Loss   | <b>Development Factor</b>   | Estimated Ultimate Loss |
| 1994          | 14,717,050  | 1.077                       | 15,855,784              |
| 1995          | 44,174,078  | 1.100                       | 48,591,486              |
| 1996          | 54,500,935  | 1.123                       | 61,210,000              |
| 1997          | 68,349,730  | 1.151                       | 78,682,671              |
| 1998          | 94,098,293  | 1.180                       | 111,031,934             |
| 1999          | 108,943,899 | 1.215                       | 132,405,583             |
| 2000          | 64,457,740  | 1.252                       | 80,689,251              |
| 2001          | 72,723,966  | 1.297                       | 94,314,381              |
| 2002          | 57,084,147  | 1.345                       | 76,770,547              |
| 2003          | 34,739,575  | 1.409                       | 48,962,649              |
| 2004          | 45,878,641  | 1.487                       | 68,218,695              |
| 2005          | 32,029,453  | 1.576                       | 50,483,360              |
| 2006          | 22,905,540  | 1.686                       | 38,629,852              |
| 2007          | 24,325,300  | 1.864                       | 45,331,802              |
| 2008          | 19,898,848  | 2.124                       | 42,274,411              |
| 2009          | 15,379,563  | 2.486                       | 38,227,816              |
| 2010          | 12,273,389  | 3.107                       | 38,133,793              |
| 2011          | 7,776,653   | 4.505                       | 35,035,332              |
| 2012          | 2,506,650   | 10.047                      | 25,183,267              |
| 2013          | 55,803      | 602.795                     | 33,637,768              |
| Total         | 796,819,253 |                             | 1,163,670,380           |

<sup>(2)</sup> From Exhibit 25

<sup>(3)</sup> From Exhibit 11

 $<sup>(4) = (2) \</sup>times (3)$ 



USTIF Loss Fund Experience at 6/30/2013 Generalized Cape Cod Method - Reported Loss

| (1)  | (2)  | (3)   | (4)  | (5)   | (6)  | (7)  | (8)   | (9)  | (10)  | (11)   |
|--|--|---|--|---|--|--|---|--|---|--|
| Policy Period  | Ultimate Claim Counts  | Trend Index   | Age-to-Ulimate LDF<br>(Reported Loss)  | Portion of<br>Ultimate Loss<br>Reported   | Cumulative<br>Reported Loss at<br>6/30/2013  | Trended Developed Loss to Exposure Ratio   | Trended Expected<br>Loss to Exposure<br>Ratio   | Expected Ultimate Loss   | Estimated IBNR<br>Losses  | Estimated Ultimate Indemnity Losses  |
| 1994<br>1995<br>1996<br>1997<br>1998<br>1999<br>2000<br>2001<br>2002<br>2003<br>2004<br>2005<br>2006<br>2007<br>2008<br>2009<br>2010<br>2011<br>2012<br>2013 | 170<br>389<br>383<br>433<br>529<br>574<br>356<br>333<br>349<br>241<br>319<br>236<br>207<br>184<br>177<br>174<br>156<br>187<br>178<br>182   | 2.038 1.969 1.902 1.838 1.776 1.716 1.658 1.602 1.460 1.411 1.363 1.317 1.272 1.229 1.188 1.148 1.109 1.071 1.035 1.000 | 1.045<br>1.058<br>1.071<br>1.084<br>1.097<br>1.110<br>1.123<br>1.142<br>1.163<br>1.187<br>1.217<br>1.248<br>1.286<br>1.357<br>1.452<br>1.514<br>1.590<br>1.749<br>1.801<br>3.602 | 95.7% 94.5% 93.4% 92.3% 91.2% 90.1% 89.0% 87.6% 86.0% 84.2% 82.2% 80.1% 77.8% 63.9% 66.1% 62.9% 57.2% 55.5% 27.8% | 15,311,761<br>47,680,397<br>59,850,169<br>71,841,510<br>99,117,917<br>116,617,266<br>69,002,590<br>80,036,064<br>64,338,664<br>40,066,477<br>54,571,481<br>38,089,226<br>27,932,270<br>28,553,330<br>25,186,714<br>21,565,726<br>20,731,651<br>18,896,148<br>15,243,932<br>9,525,000 | 191,891<br>255,334<br>318,291<br>330,435<br>364,867<br>366,838<br>360,856<br>439,684<br>312,930<br>278,388<br>283,690<br>265,318<br>220,754<br>258,776<br>245,317<br>215,322<br>234,224<br>189,281<br>159,642<br>188,519 | 314,795<br>319,959<br>329,271<br>337,831<br>346,130<br>352,379<br>355,194<br>358,132<br>354,935<br>261,234<br>259,494<br>254,963<br>249,630<br>246,417<br>242,034<br>236,848<br>232,278<br>226,528<br>222,229 | 26,260,601<br>63,213,696<br>66,291,868<br>79,585,769<br>103,105,933<br>117,883,043<br>76,275,437<br>74,455,574<br>84,845,787<br>44,631,662<br>60,737,172<br>45,694,671<br>40,614,813<br>36,884,694<br>36,070,085<br>35,913,529<br>32,682,269<br>39,544,196<br>38,219,031<br>40,445,612 | 1,141,765<br>3,465,401<br>4,377,125<br>6,136,289<br>9,078,095<br>11,653,914<br>8,355,625<br>9,264,515<br>11,870,918<br>7,034,042<br>10,820,227<br>9,092,097<br>9,028,910<br>9,695,109<br>11,220,464<br>12,191,798<br>12,122,833<br>16,929,588<br>16,998,866<br>29,217,402 | 16,453,526<br>51,145,798<br>64,227,294<br>77,977,799<br>108,196,012<br>128,271,180<br>77,358,215<br>89,300,579<br>76,209,582<br>47,100,519<br>65,391,708<br>47,181,323<br>36,961,180<br>38,248,439<br>36,407,178<br>33,757,524<br>32,854,484<br>35,825,736<br>32,242,798<br>38,742,402 |
| Control  Notes (2) (4) (5) (6) (7) (3) (3) (3) (8) (8) (9) (10) (11)   | 5,757  From Exhibit 7 From Exhibit 11 1.0 ÷ (4) From Exhibit 25 [(6)*(3) ÷ ((2)*(5)]  Trend Rate = ILF \$1.5mln to \$1mln = The annual aggregate loss CC Decay Factor = Separate calculations are p (8) × ((2) ÷ (3)) (9) × (1 - (5)) (6) + (10) | 0.80  | •  |   | 924,158,293  |  |   |  |   |  |



USTIF Loss Fund Experience at 6/30/2013 Generalized Cape Cod Method - Paid Loss

| (1)  | (2)  | (3)   | (4)  | (5)   | (6)                                  | (7)   | (8)   | (9)  | (10)  | (11)  |
|--|--|---|--|---|--------------------------------------|---|---|--|---|---|
| Policy Period  | Ultimate Claim Counts  | Trend Index   | Age-to-Ulimate LDF<br>(Paid Loss)  | Portion of<br>Ultimate Loss<br>Paid   | Cumulative Paid<br>Loss at 6/30/2013 | Trended Developed Loss to Exposure Ratio  | Trended Expected<br>Loss to Exposure<br>Ratio   | Expected Ultimate Loss   | Estimated<br>Unpaid Loss  | Estimated Ultimate<br>Loss  |
| 1994<br>1995<br>1996<br>1997<br>1998<br>1999<br>2000<br>2001<br>2002<br>2003<br>2004<br>2005<br>2006<br>2007<br>2008<br>2009<br>2010<br>2011<br>2012<br>2013 | 170<br>389<br>383<br>433<br>529<br>574<br>356<br>333<br>349<br>241<br>319<br>236<br>207<br>184<br>177<br>174<br>156<br>187<br>178  | 2.038 1.969 1.902 1.838 1.776 1.716 1.658 1.602 1.460 1.411 1.363 1.317 1.272 1.229 1.188 1.148 1.109 1.071 1.035 1.000 | 1.077 1.100 1.123 1.151 1.180 1.215 1.252 1.297 1.345 1.409 1.487 1.576 1.686 1.864 2.124 2.486 3.107 4.505 10.047 602.795 | 92.8%<br>90.9%<br>89.0%<br>86.9%<br>84.7%<br>82.3%<br>79.9%<br>77.1%<br>67.3%<br>63.4%<br>59.3%<br>53.7%<br>47.19<br>40.2%<br>32.2%<br>22.2%<br>10.0%<br>0.2% |                                      | 190,069 245,948 304,029 333,997 372,738 395,790 375,747 453,653 321,154 286,584 291,458 281,682 237,430 302,850 283,665 252,111 271,023 200,699 146,431 184,823 | 313,079 318,433 328,760 339,329 349,362 356,922 360,757 364,241 361,336 280,208 279,489 277,196 274,429 274,621 272,675 269,485 266,578 262,340 259,939 | 26,117,442<br>62,912,375<br>66,188,935<br>79,938,812<br>104,068,655<br>119,402,886<br>77,470,206<br>75,725,640<br>86,375,944<br>47,873,337<br>65,417,136<br>49,679,381<br>44,649,599<br>41,106,399<br>40,636,624<br>40,862,318<br>37,508,360<br>45,795,715<br>44,704,404<br>47,308,812 | 1,875,707<br>5,719,307<br>7,254,793<br>10,497,903<br>15,871,661<br>21,157,663<br>15,583,965<br>17,335,087<br>22,149,528<br>13,906,641<br>21,422,608<br>18,160,017<br>18,174,654<br>19,048,474<br>21,508,693<br>24,422,859<br>25,436,267<br>35,630,622<br>40,254,692<br>47,230,330 | 16,592,757 49,893,385 61,755,728 78,847,633 109,969,954 130,101,562 80,041,705 90,059,053 79,233,675 48,646,216 67,301,249 50,189,470 41,080,194 43,373,774 41,407,541 39,802,422 37,709,656 43,407,275 42,761,342 47,286,133 |
| Total Control  Notes (2) (4) (5) (6) (7) (3) (3) (8) (8) (9) (10) (11)   | 5,757<br>5,757<br>5,757<br>From Exhibit 7<br>From Exhibit 11<br>1.0 ÷ (4)<br>From Exhibit 25<br>[(6)*(3) ÷ ((2)*(5)]<br>Trend Rate =<br>ILF \$1.5mln to \$1mln =<br>CC Decay Factor =<br>Separate calculations are p<br>(8) × ((2) ÷ (3))<br>(9) × (1 - (5))<br>(6) + (10) | 3.50%<br>1.06<br>0.80<br>erformed for each pe   | riod (before 2003, after 200   | 02)   | 796,819,253<br>796,819,253           |   |   | 1,203,742,979  | 402,641,473   | 1,199,460,726   |



#### USTIF Loss Fund Experience at 6/30/2013 Estimated Ultimate Number of Claims

(1) (2) (3)

| Policy Period | Reported Claim Counts | Cumulative Reported Claim<br>Count Development Factor | Estimated Ultimate Claims<br>Counts |
|---------------|-----------------------|---|-------------------------------------|
| 1994          | 170                   | 1.000   | 170                                 |
| 1995          | 389                   | 1.000   | 389                                 |
| 1996          | 383                   | 1.000   | 383                                 |
| 1997          | 433                   | 1.000   | 433                                 |
| 1998          | 529                   | 1.000   | 529                                 |
| 1999          | 574                   | 1.000   | 574                                 |
| 2000          | 356                   | 1.000   | 356                                 |
| 2001          | 333                   | 1.000   | 333                                 |
| 2002          | 349                   | 1.000   | 349                                 |
| 2003          | 241                   | 1.000   | 241                                 |
| 2004          | 319                   | 1.000   | 319                                 |
| 2005          | 236                   | 1.000   | 236                                 |
| 2006          | 207                   | 1.000   | 207                                 |
| 2007          | 184                   | 1.000   | 184                                 |
| 2008          | 177                   | 1.000   | 177                                 |
| 2009          | 174                   | 1.000   | 174                                 |
| 2010          | 156                   | 1.000   | 156                                 |
| 2011          | 187                   | 1.000   | 187                                 |
| 2012          | 178                   | 1.000   | 178                                 |
| 2013          | 91                    | 2.000   | 182                                 |
| Total         | 5,666                 |   | 5,757                               |

<sup>(2)</sup> From Exhibit 27

<sup>(3)</sup> From Exhibit 11

 $<sup>(4) = (2) \</sup>times (3)$ 



#### USTIF Loss Fund Experience at 6/30/2013 Estimated Ultimate ALAE

| (1) | (2) | (3)                  | (4)    | (5) | (6) | (7) |
|-----|-----|----------------------|--------|-----|-----|-----|
|     |     | Ultimate ALAE Indica | ations |     |     |     |

| Policy Period | Paid ALAE  | Paid ALAE<br>Development Method | Paid ALAE<br>Cape Cod Method | Selected Ultimate<br>ALAE | Estimated Ultimate<br>Loss | Estimated ALAE Ratio |
|---------------|------------|---------------------------------|------------------------------|---------------------------|----------------------------|----------------------|
| 1994          | 2,243,806  | 2,367,215                       | 2,308,283                    | 2,350,000                 | 16,100,000                 | 0.146                |
| 1995          | 1,211,556  | 1,344,827                       | 1,595,753                    | 1,595,753                 | 49,982,266                 | 0.032                |
| 1996          | 1,569,935  | 1,794,907                       | 2,194,752                    | 2,312,881                 | 63,650,636                 | 0.036                |
| 1997          | 2,614,271  | 3,138,341                       | 3,648,748                    | 3,648,748                 | 78,337,891                 | 0.047                |
| 1998          | 5,168,911  | 6,515,352                       | 6,981,686                    | 7,000,000                 | 109,859,688                | 0.064                |
| 1999          | 5,278,273  | 7,052,393                       | 7,942,391                    | 7,900,000                 | 131,357,414                | 0.060                |
| 2000          | 3,104,229  | 4,437,948                       | 5,050,843                    | 5,100,000                 | 79,570,010                 | 0.064                |
| 2001          | 2,638,453  | 4,036,097                       | 5,293,985                    | 5,293,985                 | 93,297,936                 | 0.057                |
| 2002          | 2,163,461  | 3,574,251                       | 4,529,889                    | 4,500,000                 | 76,573,964                 | 0.059                |
| 2003          | 1,693,604  | 3,077,801                       | 3,647,300                    | 3,600,000                 | 49,000,000                 | 0.073                |
| 2004          | 2,508,837  | 5,152,044                       | 5,640,937                    | 5,640,937                 | 68,200,000                 | 0.083                |
| 2005          | 2,014,661  | 4,675,064                       | 4,581,085                    | 4,675,064                 | 49,896,809                 | 0.094                |
| 2006          | 1,211,684  | 3,205,382                       | 3,426,647                    | 3,426,647                 | 39,020,687                 | 0.088                |
| 2007          | 1,253,950  | 3,814,771                       | 4,037,579                    | 4,037,579                 | 45,000,000                 | 0.090                |
| 2008          | 1,379,413  | 4,825,923                       | 4,170,238                    | 5,000,000                 | 42,000,000                 | 0.119                |
| 2009          | 1,413,265  | 5,883,783                       | 4,268,497                    | 6,000,000                 | 40,000,000                 | 0.150                |
| 2010          | 811,890    | 4,596,943                       | 3,779,883                    | 5,000,000                 | 38,000,000                 | 0.132                |
| 2011          | 797,955    | 7,002,967                       | 4,481,134                    | 6,000,000                 | 43,400,000                 | 0.138                |
| 2012          | 339,366    | 6,999,062                       | 4,296,235                    | 6,004,147                 | 43,000,000                 | 0.140                |
| 2013          | 19,130     | 7,890,717                       | 4,374,596                    | 6,305,628                 | 44,712,000                 | 0.141                |
| Total         | 39,436,650 | 91,385,787                      | 86,250,461                   | 95,391,369                | 1,200,959,303              |                      |

<sup>(2)</sup> From Exhibit 25

<sup>(3)</sup> From Exhibit 9

<sup>(4)</sup> From Exhibit 10

<sup>(5)</sup> Judgmentally Selected

<sup>(6)</sup> From Exhibit 2

 $<sup>(7) = (5) \</sup>div (6)$ 



## USTIF Loss Fund Experience at 6/30/2013 Paid ALAE Development Method

(1) (2) (3)

|               |            | Cumulative Development |                         |
|---------------|------------|------------------------|-------------------------|
| Policy Period | Paid ALAE  | Factor                 | Estimated Ultimate ALAE |
| 1994          | 2,243,806  | 1.055                  | 2,367,215               |
| 1995          | 1,211,556  | 1.110                  | 1,344,827               |
| 1996          | 1,569,935  | 1.143                  | 1,794,907               |
| 1997          | 2,614,271  | 1.200                  | 3,138,341               |
| 1998          | 5,168,911  | 1.260                  | 6,515,352               |
| 1999          | 5,278,273  | 1.336                  | 7,052,393               |
| 2000          | 3,104,229  | 1.430                  | 4,437,948               |
| 2001          | 2,638,453  | 1.530                  | 4,036,097               |
| 2002          | 2,163,461  | 1.652                  | 3,574,251               |
| 2003          | 1,693,604  | 1.817                  | 3,077,801               |
| 2004          | 2,508,837  | 2.054                  | 5,152,044               |
| 2005          | 2,014,661  | 2.321                  | 4,675,064               |
| 2006          | 1,211,684  | 2.645                  | 3,205,382               |
| 2007          | 1,253,950  | 3.042                  | 3,814,771               |
| 2008          | 1,379,413  | 3.499                  | 4,825,923               |
| 2009          | 1,413,265  | 4.163                  | 5,883,783               |
| 2010          | 811,890    | 5.662                  | 4,596,943               |
| 2011          | 797,955    | 8.776                  | 7,002,967               |
| 2012          | 339,366    | 20.624                 | 6,999,062               |
| 2013          | 19,130     | 412.479                | 7,890,717               |
| Total         | 39,436,650 |                        | 91,385,787              |

<sup>(2)</sup> From Exhibit 25

<sup>(3)</sup> From Exhibit 11

 $<sup>(4) = (2) \</sup>times (3)$ 



USTIF Loss Fund Experience at 6/30/2013 Generalized Cape Cod Method - Paid ALAE

| (1)   | (2)  | (3)  | (4)                               | (5)                                    | (6)                                     | (7)                                      | (8)                                     | (9)                    | (10)                     | (11)                       |
|---|--|--|-----------------------------------|--|---|--|---|------------------------|--------------------------|----------------------------|
| Policy Period                                   | Ultimate Loss  | Trend Index                                  | Age-to-Ulimate LDF<br>(Paid ALAE) | Portion of<br>Ultimate Expense<br>Paid | Cumulative Paid<br>ALAE at<br>6/30/2013 | Trended Developed ALAE to Exposure Ratio | Trended Expected ALAE to Exposure Ratio | Expected Ultimate ALAE | Estimated<br>Unpaid ALAE | Estimated Ultimate<br>ALAE |
| 1994  | 16,100,000   | 1.133  | 1.055                             | 94.8%                                  | 2,243,806                               | 0.167                                    | 0.087                                   | 1,236,795              | 64,477                   | 2,308,283                  |
| 1995  | 49,982,266   | 1.123  | 1.110                             | 90.1%                                  |   | 0.030                                    | 0.087                                   | 3,876,893              | 384,197                  | 1,595,753                  |
| 1996  | 63,650,636   | 1.112  | 1.143                             | 87.5%                                  |   | 0.031                                    | 0.087                                   | 4,985,018              | 624,817                  | 2,194,752                  |
| 1997  | 78,337,891   | 1.101  | 1.200                             | 83.3%                                  |   | 0.044                                    | 0.087                                   | 6,194,867              | 1,034,477                | 3,648,748                  |
| 1998  | 109,859,688  | 1.091  | 1.260                             | 79.3%                                  | , ,                                     | 0.065                                    | 0.087                                   | 8,771,918              | 1,812,775                | 6,981,686                  |
| 1999  | 131,357,414  | 1.080  | 1.336                             | 74.8%                                  |   | 0.058                                    | 0.087                                   | 10,590,267             | 2,664,118                | 7,942,391                  |
| 2000  | 79,570,010   | 1.070  | 1.430                             | 69.9%                                  |   | 0.060                                    | 0.087                                   | 6,477,357              | 1,946,614                | 5,050,843                  |
| 2001  | 93,297,936   | 1.059  | 1.530                             | 65.4%                                  | , ,                                     | 0.046                                    | 0.087                                   | 7,668,609              | 2,655,532                | 5,293,985                  |
| 2002  | 76,573,964   | 1.112  | 1.652                             | 60.5%                                  |   | 0.052                                    | 0.087                                   | 5,995,369              | 2,366,428                | 4,529,889                  |
| 2003  | 49,000,000   | 1.101  | 1.817                             | 55.0%                                  |   | 0.069                                    | 0.098                                   | 4,344,098              | 1,953,696                | 3,647,300                  |
| 2004  | 68,200,000   | 1.091  | 2.054                             | 48.7%                                  |   | 0.082                                    | 0.098                                   | 6,104,978              | 3,132,100                | 5,640,937                  |
| 2005  | 49,896,809   | 1.080  | 2.321                             | 43.1%                                  |   | 0.101                                    | 0.098                                   | 4,509,917              | 2,566,424                | 4,581,085                  |
| 2006  | 39,020,687   | 1.070  | 2.645                             | 37.8%                                  |   | 0.088                                    | 0.098                                   | 3,561,122              | 2,214,963                | 3,426,647                  |
| 2007  | 45,000,000   | 1.060  | 3.042                             | 32.9%                                  |   | 0.090                                    | 0.098                                   | 4,146,680              | 2,783,629                | 4,037,579                  |
| 2008  | 42,000,000   | 1.049  | 3.499                             | 28.6%                                  |   | 0.121                                    | 0.098                                   | 3,907,810              | 2,790,825                | 4,170,238                  |
| 2009  | 40,000,000   | 1.039  | 4.163                             | 24.0%                                  |   | 0.153                                    | 0.098                                   | 3,757,857              | 2,855,232                | 4,268,497                  |
| 2010  | 38,000,000   | 1.029  | 5.662                             | 17.7%                                  |   | 0.125                                    | 0.098                                   | 3,604,624              | 2,967,993                | 3,779,883                  |
| 2011  | 43,400,000   | 1.020  | 8.776                             | 11.4%                                  |   | 0.165                                    | 0.098                                   | 4,156,830              | 3,683,179                | 4,481,134                  |
| 2012  | 43,000,000   | 1.010  | 20.624                            | 4.8%                                   |   | 0.164                                    | 0.098                                   | 4,158,503              | 3,956,869                | 4,296,235                  |
| 2013  | 44,712,000   | 1.000  | 412.479                           | 0.2%                                   | ,                                       | 0.176                                    | 0.098                                   | 4,366,051              | 4,355,466                | 4,374,596                  |
| Total   | 1,200,959,303  |  |                                   |  | 39,436,650                              |  |   | 102,415,563            | 46,813,811               | 86,250,461                 |
| Control   | 1,200,959,303  |  |                                   |  | 39,436,650                              |  |   | 102,415,503            | 40,613,611               | 60,230,401                 |
|   |  |  |                                   |  |   |  |   |                        |                          |                            |
| Notes<br>(2)<br>(4)<br>(5)<br>(6)<br>(7)        | Selected exposure proxy; value<br>From Exhibit 11<br>1.0 ÷ (4)<br>Exhibit 25<br>[(6)*(3) ÷ (2)*(5)]  | es from Exhibit 2                            |                                   |  |   |  |   |                        |                          |                            |
| (3)<br>(3)<br>(8)<br>(8)<br>(9)<br>(10)<br>(11) | ALAE-to-Loss Trend Rate =  ILF \$1.5mln to \$1mln =  CC Decay Factor =  Separate calculations are perfo (8) × ((2) ÷ (3)) (9) × (1 - (5)) (6) + (10) | 1.0%<br>1.06<br>1.00<br>ormed for each perio | d (before 2003, after 20          | 002)                                   |   |  |   |                        |                          |                            |



#### USTIF Loss Fund Experience at 6/30/2013 Summary of Development Factors

(1) (2) (3) (4) (5)

|               |                  |               | Cumulative De | velopment Factors |           |
|---------------|------------------|---------------|---------------|-------------------|-----------|
| Policy Period | Age at 6/30/2013 | Reported Loss | Paid Loss     | Rptd Claim Count  | Paid ALAE |
| 1994          | 234              | 1.045         | 1.077         | 1.000             | 1.055     |
| 1995          | 222              | 1.058         | 1.100         | 1.000             | 1.110     |
| 1996          | 210              | 1.071         | 1.123         | 1.000             | 1.143     |
| 1997          | 198              | 1.084         | 1.151         | 1.000             | 1.200     |
| 1998          | 186              | 1.097         | 1.180         | 1.000             | 1.260     |
| 1999          | 174              | 1.110         | 1.215         | 1.000             | 1.336     |
| 2000          | 162              | 1.123         | 1.252         | 1.000             | 1.430     |
| 2001          | 150              | 1.142         | 1.297         | 1.000             | 1.530     |
| 2002          | 138              | 1.163         | 1.345         | 1.000             | 1.652     |
| 2003          | 126              | 1.187         | 1.409         | 1.000             | 1.817     |
| 2004          | 114              | 1.217         | 1.487         | 1.000             | 2.054     |
| 2005          | 102              | 1.248         | 1.576         | 1.000             | 2.321     |
| 2006          | 90               | 1.286         | 1.686         | 1.000             | 2.645     |
| 2007          | 78               | 1.357         | 1.864         | 1.000             | 3.042     |
| 2008          | 66               | 1.452         | 2.124         | 1.000             | 3.499     |
| 2009          | 54               | 1.514         | 2.486         | 1.000             | 4.163     |
| 2010          | 42               | 1.590         | 3.107         | 1.000             | 5.662     |
| 2011          | 30               | 1.749         | 4.505         | 1.000             | 8.776     |
| 2012          | 18               | 1.801         | 10.047        | 1.000             | 20.624    |
| 2013          | 6                | 3.602         | 602.795       | 2.000             | 412.479   |

- (3) From Exhibit 12
- (4) From Exhibit 13
- (5) From Exhibit 14
- (6) From Exhibit 15



#### USTIF Loss Fund Experience at 6/30/2013

#### Incurred Development - Loss

| (1)   | (2)                      | (3)                      | (4)                      | (5)                      | (6)                      | (7)                      | (8)                      | (9)                      | (10)                     | (11)                     | (12)                     | (13)                     | (14)           | (15)           | (16)           | (17)           | (18)           | (19)           | (20)             | (21)       |
|---|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|----------------|----------------|----------------|----------------|----------------|----------------|------------------|------------|
| Policy Period                                 | Age in Months<br>6       | 18                       | 30                       | 42                       | 54                       | 66                       | 78                       | 90                       | 102                      | 114                      | 126                      | 138                      | 150            | 162            | 174            | 186            | 198            | 210            | 222              | 234        |
| 1994  | 2,293,319                | 9,483,332                | 8,899,568                | 8,587,163                | 7,930,656                | 8,314,481                | 10,736,650               | 11,535,278               | 12,987,106               | 13,420,047               | 13,621,686               | 13,783,936               | 13,918,876     | 14,149,757     | 14,804,757     | 14,850,393     | 15,046,887     | 15,204,018     | 15,404,798       | 15,311,761 |
| 1995  | 8,613,250                | 16,098,768               | 18,298,725               | 19,905,459               | 21,046,453               | 24,235,853               | 30,196,463               | 33,211,371               | 35,802,138               | 37,475,351               | 38,358,906               | 40,998,671               | 42,354,370     | 44,963,740     | 46,000,516     | 45,651,955     | 46,508,480     | 47,133,584     | 47,680,397       |            |
| 1996  | 8,936,404                | 23,368,929               | 25,913,942               | 27,625,579               | 30,510,919               | 36,563,786               | 40,301,207               | 44,222,184               | 48,484,299               | 49,507,709               | 52,006,708               | 54,189,892               | 55,975,467     | 57,184,645     | 57,091,549     | 58,369,113     | 59,219,253     | 59,850,169     |                  |            |
| 1997  | 12,183,729               | 27,861,716               | 28,259,518               | 36,177,302               | 42,526,638               | 47,668,066               | 57,301,838               | 61,349,601               | 64,189,876               | 65,467,840               | 67,806,573               | 68,583,281               | 70,477,256     | 71,766,471     | 72,414,114     | 72,038,696     | 71,841,510     |                |                  |            |
| 1998  | 19,943,710               | 35,996,986               | 41,851,859               | 51,656,812               | 60,571,036               | 68,716,024               | 78,270,421               | 83,788,081               | 88,194,303               | 92,675,198               | 93,892,790               | 94,387,396               | 96,041,089     | 97,415,284     | 98,289,793     | 99,117,917     |                |                |                  |            |
| 1999  | 26,009,771               | 42,286,868               | 52,273,156               | 65,412,219               | 83,690,530               | 93,546,446               | 96,396,129               | 101,152,488              | 107,169,674              | 109,940,818              | 112,281,362              | 113,503,042              | 115,006,533    | 116,114,764    | 116,617,266    |                |                |                |                  |            |
| 2000  | 18,092,663               | 31,208,525               | 39,242,788               | 46,202,717               | 53,727,961               | 60,561,432               | 62,671,231               | 64,115,685               | 64,428,489               | 65,452,269               | 66,893,820               | 68,463,377               | 68,437,679     | 69,002,590     |                |                |                |                |                  |            |
| 2001<br>2002                                  | 16,125,130<br>27,341,744 | 42,623,490<br>41,824,436 | 49,903,528<br>43,658,109 | 54,128,193<br>46,933,913 | 60,019,616<br>51,841,755 | 65,645,806<br>55,112,330 | 69,282,911<br>56,245,550 | 70,125,237<br>59,407,302 | 73,221,447<br>61,309,632 | 75,070,881<br>62,084,385 | 76,907,829<br>63,968,298 | 79,654,357<br>64,338,664 | 80,036,064     |                |                |                |                |                |                  |            |
| 2002  | 11,730,000               | 24,991,591               | 29,680,371               | 30,587,380               | 32,048,460               | 32,270,718               | 34,380,712               | 36,594,209               | 38,197,103               | 39,113,273               | 40,066,477               | 64,338,664               |                |                |                |                |                |                |                  |            |
| 2004  | 21.620.000               | 40.404.425               | 40.479.491               | 48.636.015               | 47.958.998               | 47,745,263               | 51,467,210               | 54,715,996               | 54.065.009               | 54,571,481               | 40,000,477               |                          |                |                |                |                |                |                |                  |            |
| 2005  | 13,735,000               | 30,634,789               | 29,431,767               | 29,602,249               | 32,601,798               | 33,741,333               | 35,239,796               | 36,736,479               | 38,089,226               | 34,371,401               |                          |                          |                |                |                |                |                |                |                  |            |
| 2006  | 11.575.000               | 22.574.518               | 20.831.916               | 22.126.220               | 23.345.645               | 24.336.754               | 27.160.957               | 27.932.270               | 00,000,220               |                          |                          |                          |                |                |                |                |                |                |                  |            |
| 2007  | 9,955,000                | 20,225,486               | 20,703,206               | 24,435,623               | 26,181,452               | 27,704,644               | 28,553,330               |                          |                          |                          |                          |                          |                |                |                |                |                |                |                  |            |
| 2008  | 10,485,000               | 19,577,437               | 22,432,876               | 23,522,269               | 24,498,073               | 25,186,714               |                          |                          |                          |                          |                          |                          |                |                |                |                |                |                |                  |            |
| 2009  | 11,665,000               | 22,256,756               | 21,488,761               | 20,690,691               | 21,565,726               |                          |                          |                          |                          |                          |                          |                          |                |                |                |                |                |                |                  |            |
| 2010  | 9,333,000                | 17,533,011               | 17,450,938               | 20,731,651               |                          |                          |                          |                          |                          |                          |                          |                          |                |                |                |                |                |                |                  |            |
| 2011  | 9,010,000                | 20,274,379               | 18,896,148               |                          |                          |                          |                          |                          |                          |                          |                          |                          |                |                |                |                |                |                |                  |            |
| 2012  | 9,061,000                | 15,243,932               |                          |                          |                          |                          |                          |                          |                          |                          |                          |                          |                |                |                |                |                |                |                  |            |
| 2013  | 9,525,000                |                          |                          |                          |                          |                          |                          |                          |                          |                          |                          |                          |                |                |                |                |                |                |                  |            |
| Policy Period                                 | 6 to 18                  | 18 to 30                 | 30 to 42                 | 42 to 54                 | 54 to 66                 | 66 to 78                 | 78 to 90                 | 90 to 102                | 102 to 114               | 114 to 126               | 126 to 138               | 138 to 150               | 150 to 162     | 162 to 174     | 174 to 186     | 186 to 198     | 198 to 210     | 210 to 222     | 222 to 234       |            |
| 1994  | 4.135                    | 0.938                    | 0.965                    | 0.924                    | 1.048                    | 1.291                    | 1.074                    | 1.126                    | 1.033                    | 1.015                    | 1.012                    | 1.010                    | 1.017          | 1.046          | 1.003          | 1.013          | 1.010          | 1.013          | 0.994            |            |
| 1995  | 1.869                    | 1.137                    | 1.088                    | 1.057                    | 1.152                    | 1.246                    | 1.100                    | 1.078                    | 1.047                    | 1.024                    | 1.069                    | 1.033                    | 1.062          | 1.023          | 0.992          | 1.019          | 1.013          | 1.012          |                  |            |
| 1996  | 2.615                    | 1.109                    | 1.066                    | 1.104                    | 1.198                    | 1.102                    | 1.097                    | 1.096                    | 1.021                    | 1.050                    | 1.042                    | 1.033                    | 1.022          | 0.998          | 1.022          | 1.015          | 1.011          |                |                  |            |
| 1997  | 2.287                    | 1.014                    | 1.280                    | 1.176                    | 1.121                    | 1.202                    | 1.071                    | 1.046                    | 1.020                    | 1.036                    | 1.011                    | 1.028                    | 1.018          | 1.009          | 0.995          | 0.997          |                |                |                  |            |
| 1998  | 1.805                    | 1.163                    | 1.234                    | 1.173                    | 1.134                    | 1.139                    | 1.070                    | 1.053                    | 1.051                    | 1.013                    | 1.005                    | 1.018                    | 1.014          | 1.009          | 1.008          |                |                |                |                  |            |
| 1999  | 1.626                    | 1.236                    | 1.251                    | 1.279                    | 1.118                    | 1.030                    | 1.049                    | 1.059                    | 1.026                    | 1.021                    | 1.011                    | 1.013                    | 1.010          | 1.004          |                |                |                |                |                  |            |
| 2000<br>2001                                  | 1.725<br>2.643           | 1.257<br>1.171           | 1.177<br>1.085           | 1.163<br>1.109           | 1.127                    | 1.035<br>1.055           | 1.023                    | 1.005                    | 1.016<br>1.025           | 1.022                    | 1.023                    | 1.000                    | 1.008          |                |                |                |                |                |                  |            |
| 2001  | 1.530                    | 1.044                    | 1.085                    | 1.109                    | 1.094                    | 1.055                    | 1.012                    | 1.044                    | 1.025                    | 1.024                    | 1.036                    | 1.005                    |                |                |                |                |                |                |                  |            |
| 2002  | 2.131                    | 1.188                    | 1.031                    | 1.048                    | 1.003                    | 1.065                    | 1.064                    | 1.044                    | 1.024                    | 1.024                    | 1.000                    |                          |                |                |                |                |                |                |                  |            |
| 2004  | 1.869                    | 1.002                    | 1.201                    | 0.986                    | 0.996                    | 1.078                    | 1.063                    | 0.988                    | 1.009                    | 1.02-4                   |                          |                          |                |                |                |                |                |                |                  |            |
| 2005  | 2.230                    | 0.961                    | 1.006                    | 1.101                    | 1.035                    | 1.044                    | 1.042                    | 1.037                    |                          |                          |                          |                          |                |                |                |                |                |                |                  |            |
| 2006  | 1.950                    | 0.923                    | 1.062                    | 1.055                    | 1.042                    | 1.116                    | 1.028                    |                          |                          |                          |                          |                          |                |                |                |                |                |                |                  |            |
| 2007  | 2.032                    | 1.024                    | 1.180                    | 1.071                    | 1.058                    | 1.031                    |                          |                          |                          |                          |                          |                          |                |                |                |                |                |                |                  |            |
| 2008  | 1.867                    | 1.146                    | 1.049                    | 1.041                    | 1.028                    |                          |                          |                          |                          |                          |                          |                          |                |                |                |                |                |                |                  |            |
| 2009  | 1.908                    | 0.965                    | 0.963                    | 1.042                    |                          |                          |                          |                          |                          |                          |                          |                          |                |                |                |                |                |                |                  |            |
| 2010  | 1.879                    | 0.995                    | 1.188                    |                          |                          |                          |                          |                          |                          |                          |                          |                          |                |                |                |                |                |                |                  |            |
| 2011<br>2012                                  | 2.250<br>1.682           | 0.932                    |                          |                          |                          |                          |                          |                          |                          |                          |                          |                          |                |                |                |                |                |                |                  |            |
| 2012  | 1.002                    |                          |                          |                          |                          |                          |                          |                          |                          |                          |                          |                          |                |                |                |                |                |                |                  |            |
| 3 yr. Weighted Avg.                           | 1.936                    | 0.963                    | 1.058                    | 1.052                    | 1.043                    | 1.060                    | 1.048                    | 1.018                    | 1.014                    | 1.027                    | 1.023                    | 1.007                    | 1.011          | 1.007          | 1.008          | 1.009          | 1.012          |                |                  |            |
| 3 yr. Simple Avg.                             | 1.937                    | 0.964                    | 1.066                    | 1.052                    | 1.043                    | 1.064                    | 1.045                    | 1.023                    | 1.015                    | 1.026                    | 1.022                    | 1.006                    | 1.011          | 1.007          | 1.009          | 1.010          | 1.012          |                |                  |            |
| 6 yr. Weighted Avg.                           | 1.934                    | 0.995                    | 1.066                    | 1.042                    | 1.023                    | 1.055                    | 1.043                    | 1.024                    | 1.020                    | 1.022                    | 1.015                    | 1.015                    | 1.018          | 1.009          |                |                |                |                |                  |            |
| 5 yr. Simple Avg.                             | 1.917                    | 1.012                    | 1.088                    | 1.062                    | 1.032                    | 1.067                    | 1.051                    | 1.029                    | 1.017                    | 1.024                    | 1.016                    | 1.013                    | 1.014          | 1.009          | 1.004          |                |                |                |                  |            |
| All yr. Simple Avg.                           | 2.107                    | 1.067                    | 1.112                    | 1.090                    | 1.081                    | 1.104                    | 1.058                    | 1.051                    | 1.026                    | 1.026                    | 1.024                    | 1.017                    | 1.021          | 1.015          | 1.004          | 1.011          | 1.012          | 1.012          | 0.994            |            |
| All yr. Weighted Avg.                         | 1.958                    | 1.083                    | 1.130                    | 1.115                    | 1.088                    | 1.083                    | 1.054                    | 1.044                    | 1.026                    | 1.026                    | 1.021                    | 1.016                    | 1.018          | 1.009          | 1.005          | 1.009          | 1.012          | 1.012          | 0.994            |            |
| Weighed Avg. for Period 2004+                 | 1.961                    | 0.991                    | 1.098                    | 1.042                    | 1.027                    | 1.067                    | 1.048                    | 1.008                    | 1.009                    |                          |                          |                          |                |                |                |                |                |                |                  |            |
| Weighed Avg. for Period 2003+                 | 1.978                    | 1.013                    | 1.088                    | 1.043                    | 1.023                    | 1.066                    | 1.052                    | 1.018                    | 1.015                    | 1.024                    |                          |                          |                |                |                |                |                |                |                  |            |
| Prior Selected                                | 6 to 18                  | 18 to 30                 | 30 to 42                 | 42 to 54                 | 54 to 66<br>1.060        | 66 to 78                 | 78 to 90                 | 90 to 102<br>1.050       | 102 to 114<br>1.027      | 114 to 126               | 126 to 138               | 138 to 150               | 150 to 162     | 162 to 174     | 174 to 186     | 186 to 198     | 198 to 210     | 210 to 222     | 222 to Ultimate* |            |
| Prior Selected                                | 2.200                    | 1.065                    | 1.100                    | 1.070                    | 1.060                    | 1.075                    | 1.060                    | 1.050                    | 1.027                    | 1.026                    | 1.025                    | 1.020                    | 1.020          | 1.015          | 1.015          | 1.015          | 1.084 (ATU)    |                |                  |            |
| Selected Age-to-Age Factor<br>Age-to-Ultimate | 2.000<br>3.602           | 1.030<br>1.801           | 1.100<br>1.749           | 1.050<br>1.590           | 1.043<br>1.514           | 1.070<br>1.452           | 1.055<br>1.357           | 1.030<br>1.286           | 1.026<br>1.248           | 1.025<br>1.217           | 1.021<br>1.187           | 1.018<br>1.163           | 1.017<br>1.142 | 1.012<br>1.123 | 1.012<br>1.110 | 1.012<br>1.097 | 1.012<br>1.084 | 1.012<br>1.071 | 1.058<br>1.058   |            |
| •   |                          |                          |                          |                          |                          |                          |                          |                          |                          |                          |                          |                          |                |                |                |                |                |                |                  |            |

Notes
The tail factor at age 222 was selected based on our professional judgment and a review of the indications under various curve fits (exponential and inverse power).



#### USTIF Loss Fund Experience at 6/30/2013

Paid Development - Loss (1) (2) (3) (4) (5) (7) (11) (12) (13) (15) (16) (17) (19) (21) (6) (8) (9) (10) (14) (18) (20) Age in Months 18 30 42 54 66 78 90 126 138 162 174 198 210 234 Policy Period 102 114 150 186 222 4,124,329 5,084,843 5,722,553 7,242,469 8,316,696 9,155,065 9,847,402 10,410,633 10,843,786 11,300,869 11,611,420 13,170,559 14,164,610 1994 26,549 1,085,543 2,641,954 13,536,456 13,869,548 14,717,050 1995 1996 80.363 4.047.081 8.939.146 12.050.595 14.578.328 17.686.672 20.515.552 23.550.880 26.360.529 28.623.483 30.913.850 33.242.746 35.089.831 37.835.891 39.490.585 40.853.101 42.237.336 43.319.945 44.174.078 378.046 5 771 167 11.223.864 16 143 606 19,774,295 24.111.356 27.926.570 31 769 564 35 128 689 38 581 188 41,889,846 55,708,485 45,280,494 47 736 241 49.698.931 50,662,724 52 230 107 53 343 725 54 500 935 1997 1998 1999 2000 815,371 7,821,377 14,581,583 20,702,527 27,113,577 32,834,148 38,065,738 59,170,730 64,112,761 44,432,922 48,428,705 52,335,301 61,760,924 65,930,596 67,350,780 68,349,730 669,532 12,537,723 21,891,260 30,297,467 39,075,413 47,693,752 55,066,893 62,331,012 69,316,570 74,999,311 80,581,753 84,007,096 87,261,489 90,580,043 91,933,051 94,098,293 995,206 1,575,064 10 797 670 24 660 509 36 775 269 48 489 269 59,198,778 39,168,113 44,338,472 68,146,592 45,189,506 50,928,805 75 693 025 82 690 689 89 372 768 96 370 703 100.800.313 103 879 099 106 636 646 108 943 899 8,023,881 8,227,308 18,230,077 25,655,782 27,111,459 32,636,247 49,990,189 53,605,391 56,847,394 59,595,706 68,038,275 61,370,735 63,055,284 72,723,966 64,457,740 2001 2002 808,910 216,354 18,164,142 36,289,194 60,352,298 64,535,713 55,892,131 70,812,422 6 839 032 14 180 137 22 166 579 29 048 012 35 829 517 41 696 455 46 911 947 50 198 081 52 805 917 55 249 309 57 084 147 216,354 116,449 55,434 115,754 98,943 285,928 473,915 4,102,891 4,053,646 9,691,219 10,308,270 15,453,958 21,016,687 19,696,226 27,298,840 23,171,871 32,681,469 26,550,349 37,681,242 29,164,849 41,514,100 31,245,190 43,927,541 33,050,557 45,878,641 2003 2004 34,739,575 2005 2006 2007 2008 3 587 812 10 699 396 15 753 216 20 226 741 23 938 820 26 988 448 29 919 189 32 029 453 3,742,351 5,676,478 5,506,780 23,938,820 18,619,114 21,896,733 19,898,848 20,919,129 24,325,300 8 422 268 12 411 065 15 576 114 22,905,540 11,209,781 19,388,678 10.865,540 14.655.030 17.327.320 2009 296,668 4,890,464 9.654.610 12,775,569 15.379.563 2010 2011 277,174 160,417 4,103,941 3,224,571 8,576,747 7,776,653 12,273,389 2012 67.306 2.506.650 2013 55.803 Policy Period 6 to 18 18 to 30 30 to 42 42 to 54 54 to 66 66 to 78 78 to 90 90 to 102 102 to 114 114 to 126 126 to 138 138 to 150 150 to 162 162 to 174 174 to 186 186 to 198 198 to 210 210 to 222 222 to 234 1004 40 888 2 4 3 4 1 561 1.233 1 125 1 101 1.076 1.057 1 042 1 028 1 025 1 021 1 022 1.016 1.042 1.075 1.081 1.062 1.043 1.046 1.030 1.041 1.033 1.080 1.086 1.064 1.074 1.078 1.048 1.054 1.046 1995 1996 1997 1998 1.210 1.225 1.310 1.290 1.160 1.158 1.148 1.119 1.086 1.078 1.041 1.044 1.035 1.034 50.360 2.209 1.945 1.348 1.438 1.420 1.384 1.491 1.407 1.493 1.563 1.595 2.039 1.472 1.474 1.409 1.349 1.323 1.431 1.213 1.056 1.054 1.026 1.022 1.020 15 266 1.106 9.592 18.726 1.864 1.746 1.211 1.159 1.155 1.167 1.090 1.112 1.081 1.082 1.044 1.038 1.028 1.015 1.022 1.015 2.284 2.272 2.208 2.073 1.221 1.200 1.222 1.233 1999 2000 2001 2002 1.111 1.106 1.097 1.125 1.092 1.072 1.080 1.070 1.081 1.060 1.069 1.052 1.319 1.272 1.339 1.310 1.275 1.299 1.284 1.255 1.228 1.182 1.031 1.027 1.027 10.850 1.151 1.154 1.027 1 022 5.094 10.171 31.610 1.149 35.233 73.126 30.995 2.362 2.543 2.982 2.251 1.176 1.197 1.184 1.195 1.098 1.102 1.109 1.095 1.146 1.153 1.127 1.058 2003 2004 2005 1.071 1.058 1.071 1.051 2006 37.823 1.124 19.853 11.620 1.975 1.973 1.974 1.129 2007 2008 2009 16.485 1.204 2.090 2010 14 806 20.101 37.243 2011 2012 3 yr. Weighted Avg 3 yr. Simple Avg. 2.128 2.159 1.365 1.368 1.408 1.397 1.482 1.473 1.205 1.205 1.247 1.231 1.265 1.278 1.066 1.067 1.071 1.070 1.087 1.086 1.051 1.051 1.062 1.056 1.064 1.065 1.025 1.025 1.023 1.023 1.155 1.035 1.035 1.021 1.022 1.027 1.022 1.023 1.064 1.057 1.072 1.071 2.082 2.085 2.200 2.131 1.173 1.141 1.132 1.155 1.151 1.105 1.106 1.121 1.119 1.036 1.033 1.039 1.036 6 yr. Weighted Avg. 5 yr. Simple Avg. All yr. Simple Avg. 16 593 1.043 1.036 20.051 1.026 1.044 1.027 1.028 25.781 14.181 1.193 1.050 1.028 1.023 1.023 1.040 1.024 1.022 1.021 1.020 1.016 1.016 All yr. Weighted Avg. Weighed Avg. for Period 2004+ Weighed Avg. for Period 2003+ 20.361 21.250 2.228 1.501 1.512 1.247 1.251 1.172 1.173 1.132 1.102 1.063 1.044 1.050 1.051

Age-to-Ultimate

Prior Selected

Selected Age-to-Age Factor

6 to 18

60.000

602 795

18 to 30

2.230

10 047

Notes

The tail factor at age 222 was selected based on our professional judgment and a review of the indications under various curve fits (exponential and inverse power).

30 to 42

1.450

4 505

42 to 54

1.250

3 107

54 to 66

1.170

2 486

66 to 78

1.140

2 124

78 to 90

1.105

1 864

90 to 102

1.070

1 686

102 to 114

1.060

1 576

114 to 126

1.055

1 487

126 to 138

1.050

1.048

1 400

138 to 150

1.040

1.037

1 345

150 to 162

1.040

1.036

1 297

162 to 174

1.035

1.030

1 252

174 to 186

1.030

1.030

1 215

186 to 198

1.030

1.025

1 180

198 to 210

1.025

1 151

210 to 222

1.021

1 123

222 to Ultimate\*

1.100

1 100



#### USTIF Loss Fund Experience at 6/30/2013 Reported Claim Count Development

| (1)                           | (2)               | (3)               | (4)               | (5)               | (6)               | (7)               | (8)               | (9)                | (10)                | (11)                | (12)                | (13)                | (14)                | (15)                | (16)                | (17)                     | (18)       | (19)       | (20)       | (21) |
|-------------------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|--------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|--------------------------|------------|------------|------------|------|
| Policy Period                 | Age in Montl<br>6 | ns<br>18          | 30                | 42                | 54                | 66                | 78                | 90                 | 102                 | 114                 | 126                 | 138                 | 150                 | 162                 | 174                 | 186                      | 198        | 210        | 222        | 234  |
| 1994                          | 55                | 170               | 170               | 170               | 170               | 170               | 170               | 170                | 170                 | 170                 | 170                 | 170                 | 170                 | 170                 | 170                 | 170                      | 170        | 170        | 170        | 170  |
| 1995                          | 168               | 389               | 389               | 389               | 389               | 389               | 389               | 389                | 389                 | 389                 | 389                 | 389                 | 389                 | 389                 | 389                 | 389                      | 389        | 389        | 389        | 170  |
| 1996                          | 165               | 383               | 383               | 383               | 383               | 383               | 383               | 383                | 383                 | 383                 | 383                 | 383                 | 383                 | 383                 | 383                 | 383                      | 383        | 383        | 000        |      |
| 1997                          | 198               | 433               | 433               | 433               | 433               | 433               | 433               | 433                | 433                 | 433                 | 433                 | 433                 | 433                 | 433                 | 433                 | 433                      | 433        | 000        |            |      |
| 1998                          | 267               | 529               | 529               | 529               | 529               | 529               | 529               | 529                | 529                 | 529                 | 529                 | 529                 | 529                 | 529                 | 529                 | 529                      | 100        |            |            |      |
| 1999                          | 375               | 574               | 574               | 574               | 574               | 574               | 574               | 574                | 574                 | 574                 | 574                 | 574                 | 574                 | 574                 | 574                 | 525                      |            |            |            |      |
| 2000                          | 224               | 356               | 356               | 356               | 356               | 356               | 356               | 356                | 356                 | 356                 | 356                 | 356                 | 356                 | 356                 | 374                 |                          |            |            |            |      |
| 2001                          | 134               | 333               | 333               | 333               | 333               | 333               | 333               | 333                | 333                 | 333                 | 333                 | 333                 | 333                 | 330                 |                     |                          |            |            |            |      |
| 2002                          | 238               | 349               | 349               | 349               | 349               | 349               | 349               | 349                | 349                 | 349                 | 349                 | 349                 | 333                 |                     |                     |                          |            |            |            |      |
| 2002                          | 100               | 241               | 241               | 241               | 241               | 241               | 241               | 241                | 241                 | 241                 | 241                 | 545                 |                     |                     |                     |                          |            |            |            |      |
| 2004                          | 178               | 319               | 319               | 319               | 319               | 319               | 319               | 319                | 319                 | 319                 |                     |                     |                     |                     |                     |                          |            |            |            |      |
| 2005                          | 100               | 236               | 236               | 236               | 236               | 236               | 236               | 236                | 236                 | 0.0                 |                     |                     |                     |                     |                     |                          |            |            |            |      |
| 2006                          | 103               | 207               | 207               | 207               | 207               | 207               | 207               | 207                | 200                 |                     |                     |                     |                     |                     |                     |                          |            |            |            |      |
| 2007                          | 85                | 184               | 184               | 184               | 184               | 184               | 184               | 20,                |                     |                     |                     |                     |                     |                     |                     |                          |            |            |            |      |
| 2008                          | 90                | 177               | 177               | 177               | 177               | 177               |                   |                    |                     |                     |                     |                     |                     |                     |                     |                          |            |            |            |      |
| 2009                          | 94                | 174               | 174               | 174               | 174               | ***               |                   |                    |                     |                     |                     |                     |                     |                     |                     |                          |            |            |            |      |
| 2010                          | 80                | 156               | 156               | 156               |                   |                   |                   |                    |                     |                     |                     |                     |                     |                     |                     |                          |            |            |            |      |
| 2011                          | 75                | 187               | 187               |                   |                   |                   |                   |                    |                     |                     |                     |                     |                     |                     |                     |                          |            |            |            |      |
| 2012                          | 89                | 178               |                   |                   |                   |                   |                   |                    |                     |                     |                     |                     |                     |                     |                     |                          |            |            |            |      |
| 2013                          | 91                |                   |                   |                   |                   |                   |                   |                    |                     |                     |                     |                     |                     |                     |                     |                          |            |            |            |      |
| Policy Period                 | 6 to 18           | 18 to 30          | 30 to 42          | 42 to 54          | 54 to 66          | 66 to 78          | 78 to 90          | 90 to 102          | 102 to 114          | 114 to 126          | 126 to 138          | 138 to 150          | 150 to 162          | 162 to 174          | 174 to 186          | 186 to 198               | 198 to 210 | 210 to 222 | 222 to 234 |      |
| 1994                          | 3.091             | 1.000             | 1.000             | 1.000             | 1.000             | 1.000             | 1.000             | 1.000              | 1.000               | 1.000               | 1.000               | 1.000               | 1.000               | 1.000               | 1.000               | 1.000                    | 1.000      | 1.000      | 1.000      |      |
| 1995                          | 2.315             | 1.000             | 1.000             | 1.000             | 1.000             | 1.000             | 1.000             | 1.000              | 1.000               | 1.000               | 1.000               | 1.000               | 1.000               | 1.000               | 1.000               | 1.000                    | 1.000      | 1.000      |            |      |
| 1996                          | 2.321             | 1.000             | 1.000             | 1.000             | 1.000             | 1.000             | 1.000             | 1.000              | 1.000               | 1.000               | 1.000               | 1.000               | 1.000               | 1.000               | 1.000               | 1.000                    | 1.000      |            |            |      |
| 1997                          | 2.187             | 1.000             | 1.000             | 1.000             | 1.000             | 1.000             | 1.000             | 1.000              | 1.000               | 1.000               | 1.000               | 1.000               | 1.000               | 1.000               | 1.000               | 1.000                    |            |            |            |      |
| 1998                          | 1.981             | 1.000             | 1.000             | 1.000             | 1.000             | 1.000             | 1.000             | 1.000              | 1.000               | 1.000               | 1.000               | 1.000               | 1.000               | 1.000               | 1.000               |                          |            |            |            |      |
| 1999                          | 1.531             | 1.000             | 1.000             | 1.000             | 1.000             | 1.000             | 1.000             | 1.000              | 1.000               | 1.000               | 1.000               | 1.000               | 1.000               | 1.000               |                     |                          |            |            |            |      |
| 2000                          | 1.589             | 1.000             | 1.000             | 1.000             | 1.000             | 1.000             | 1.000             | 1.000              | 1.000               | 1.000               | 1.000               | 1.000               | 1.000               |                     |                     |                          |            |            |            |      |
| 2001                          | 2.485             | 1.000             | 1.000             | 1.000             | 1.000             | 1.000             | 1.000             | 1.000              | 1.000               | 1.000               | 1.000               | 1.000               |                     |                     |                     |                          |            |            |            |      |
| 2002                          | 1.466             | 1.000             | 1.000             | 1.000             | 1.000             | 1.000             | 1.000             | 1.000              | 1.000               | 1.000               | 1.000               |                     |                     |                     |                     |                          |            |            |            |      |
| 2003                          | 2.410             | 1.000             | 1.000             | 1.000             | 1.000             | 1.000             | 1.000             | 1.000              | 1.000               | 1.000               |                     |                     |                     |                     |                     |                          |            |            |            |      |
| 2004                          | 1.792             | 1.000             | 1.000             | 1.000             | 1.000             | 1.000             | 1.000             | 1.000              | 1.000               |                     |                     |                     |                     |                     |                     |                          |            |            |            |      |
| 2005                          | 2.360             | 1.000             | 1.000             | 1.000             | 1.000             | 1.000             | 1.000             | 1.000              |                     |                     |                     |                     |                     |                     |                     |                          |            |            |            |      |
| 2006                          | 2.010             | 1.000             | 1.000             | 1.000             | 1.000             | 1.000             | 1.000             |                    |                     |                     |                     |                     |                     |                     |                     |                          |            |            |            |      |
| 2007                          | 2.165             | 1.000             | 1.000             | 1.000             | 1.000             | 1.000             |                   |                    |                     |                     |                     |                     |                     |                     |                     |                          |            |            |            |      |
| 2008                          | 1.967             | 1.000             | 1.000             | 1.000             | 1.000             |                   |                   |                    |                     |                     |                     |                     |                     |                     |                     |                          |            |            |            |      |
| 2009<br>2010                  | 1.851<br>1.950    | 1.000             | 1.000             | 1.000             |                   |                   |                   |                    |                     |                     |                     |                     |                     |                     |                     |                          |            |            |            |      |
| 2010<br>2011                  | 1.950<br>2.493    | 1.000             | 1.000             |                   |                   |                   |                   |                    |                     |                     |                     |                     |                     |                     |                     |                          |            |            |            |      |
| 2011                          | 2.493             | 1.000             |                   |                   |                   |                   |                   |                    |                     |                     |                     |                     |                     |                     |                     |                          |            |            |            |      |
| 2012                          | 2.000             |                   |                   |                   |                   |                   |                   |                    |                     |                     |                     |                     |                     |                     |                     |                          |            |            |            |      |
| 3 yr. Weighted Avg.           | 2.135             | 1.000             | 1.000             | 1.000             | 1.000             | 1.000             | 1.000             | 1.000              | 1.000               | 1.000               | 1.000               | 1.000               | 1.000               | 1.000               | 1.000               | 1.000                    | 1.000      |            |            |      |
| 3 yr. Simple Avg.             | 2.148             | 1.000             | 1.000             | 1.000             | 1.000             | 1.000             | 1.000             | 1.000              | 1.000               | 1.000               | 1.000               | 1.000               | 1.000               | 1.000               | 1.000               | 1.000                    | 1.000      |            |            |      |
| 6 yr. Weighted Avg.           | 2.058             | 1.000             | 1.000             | 1.000             | 1.000             | 1.000             | 1.000             | 1.000              | 1.000               | 1.000               | 1.000               | 1.000               | 1.000               | 1.000               | 1.000               | 1.000                    | 1.000      |            |            |      |
| 5 yr. Simple Avg.             | 2.052             | 1.000             | 1.000             | 1.000             | 1.000             | 1.000             | 1.000             | 1.000              | 1.000               | 1.000               | 1.000               | 1.000               | 1.000               | 1.000               | 1.000               |                          |            |            |            |      |
| All yr. Simple Avg.           | 2.103             | 1.000             | 1.000             | 1.000             | 1.000             | 1.000             | 1.000             | 1.000              | 1.000               | 1.000               | 1.000               | 1.000               | 1.000               | 1.000               | 1.000               | 1.000                    | 1.000      | 1.000      | 1.000      |      |
| Weighed Avg. for Period 2004+ | 2.034             | 1.000             | 1.000             | 1.000             | 1.000             | 1.000             | 1.000             | 1.000              | 1.000               |                     |                     |                     |                     |                     |                     |                          |            |            |            |      |
| Weighed Avg. for Period 2003+ | 2.071             | 1.000             | 1.000             | 1.000             | 1.000             | 1.000             | 1.000             | 1.000              | 1.000               | 1.000               |                     |                     |                     |                     |                     |                          |            |            |            |      |
| Prior Selected                | 6 to 18<br>2.080  | 18 to 30<br>1.000 | 30 to 42<br>1.000 | 42 to 54<br>1.000 | 54 to 66<br>1.000 | 66 to 78<br>1.000 | 78 to 90<br>1.000 | 90 to 102<br>1.000 | 102 to 114<br>1.000 | 114 to 126<br>1.000 | 126 to 138<br>1.000 | 138 to 150<br>1.000 | 150 to 162<br>1.000 | 162 to 174<br>1.000 | 174 to 186<br>1.000 | 186 to Ultimate<br>1.000 |            |            |            |      |
| Selected Age-to-Age Factor    | 2.000             | 1.000             | 1.000             | 1.000             | 1.000             | 1.000             | 1.000             | 1.000              | 1.000               | 1.000               | 1.000               | 1.000               | 1.000               | 1.000               | 1.000               |                          |            |            |            |      |
| Age-to-Ultimate               | 2.000             | 1.000             | 1.000             | 1.000             | 1.000             | 1.000             | 1.000             | 1.000              | 1.000               | 1.000               | 1.000               | 1.000               | 1.000               | 1.000               | 1.000               | 1.000                    |            |            |            |      |
| , go to offiniate             | 2.500             |                   |                   |                   | 500               | 1.500             |                   |                    | 500                 | 500                 |                     | 500                 | 500                 | 1.500               | 500                 | 500                      |            |            |            |      |



#### USTIF Loss Fund Experience at 6/30/2013 Paid Development - Expense

|  |                  |                    |                    |                    |                      |                        |                |                |                | •              | •              |                |                |                |                |            |            |            |                  |           |
|--|------------------|--------------------|--------------------|--------------------|----------------------|------------------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|------------|------------|------------|------------------|-----------|
| (1)                                      | (2)              | (3)                | (4)                | (5)                | (6)                  | (7)                    | (8)            | (9)            | (10)           | (11)           | (12)           | (13)           | (14)           | (15)           | (16)           | (17)       | (18)       | (19)       | (20)             | (21)      |
|  | Age in Months    |                    |                    |                    |                      |                        |                |                |                |                |                |                |                |                |                |            |            |            |                  |           |
| Policy Period                            | 6                | 18                 | 30                 | 42                 | 54                   | 66                     | 78             | 90             | 102            | 114            | 126            | 138            | 150            | 162            | 174            | 186        | 198        | 210        | 222              | 234       |
| 1994                                     |                  | 27,433             | 77,232             | 111,899            | 200,420              | 216,899                | 240,084        | 248,007        | 322,341        | 503,072        | 841.418        | 1,351,828      | 1,731,422      | 1,977,574      | 2,144,379      | 2,173,272  | 2,212,159  | 2,220,431  | 2,230,005        | 2,243,806 |
| 1995                                     |                  | 40,578             | 86.977             | 134,486            | 165,985              | 257.409                | 305.628        | 337.182        | 387.515        | 513.823        | 559,140        | 654.134        | 797.625        | 910.077        | 1.026.703      | 1.075.096  | 1.136.960  | 1,161,275  | 1,211,556        | 2,210,000 |
| 1996                                     |                  | 11,995             | 39,431             | 162,846            | 200,709              | 210,893                | 215,730        | 231,958        | 286,209        | 323,819        | 461,196        | 656,044        | 862,517        | 1,041,758      | 1,225,521      | 1,362,265  | 1,439,164  | 1,569,935  | .,,              |           |
| 1997                                     |                  | 54,402             | 176,759            | 315,193            | 451,955              | 731,022                | 1,383,513      | 1,629,688      | 1,694,449      | 1,725,066      | 1,840,136      | 2,012,079      | 2,133,015      | 2,280,526      | 2,418,637      | 2,517,438  | 2,614,271  | .,,        |                  |           |
| 1998                                     |                  | 104,336            | 193,899            | 470.205            | 1,162,714            | 1.764.606              | 2,044,125      | 2.441.676      | 3,126,889      | 3.532.562      | 3,875,709      | 4.179.944      | 4.431.888      | 4.724.240      | 4.945.082      | 5,168,911  | ,- ,       |            |                  |           |
| 1999                                     | -                | 12,007             | 86,954             | 403,140            | 729,973              | 983,522                | 1,487,175      | 2,468,786      | 3,091,807      | 3,600,118      | 3,991,427      | 4,280,935      | 4,669,028      | 4,987,671      | 5,278,273      | .,,        |            |            |                  |           |
| 2000                                     | 150              | 939                | 117,093            | 298,953            | 571,205              | 1,354,247              | 1,862,050      | 2,067,526      | 2,354,948      | 2,481,623      | 2,648,059      | 2,867,994      | 3,017,192      | 3,104,229      |                |            |            |            |                  |           |
| 2001                                     | 993              | 148,978            | 312,938            | 494,399            | 638,920              | 824,646                | 1,335,042      | 1,559,623      | 1,779,356      | 2,019,045      | 2,292,089      | 2,469,608      | 2,638,453      |                |                |            |            |            |                  |           |
| 2002                                     | 11,730           | 250,054            | 530,452            | 764,930            | 880,062              | 1,027,233              | 1,167,726      | 1,359,653      | 1,516,322      | 1,724,898      | 1,952,331      | 2,163,461      |                |                |                |            |            |            |                  |           |
| 2003                                     | 61,448           | 360,265            | 600,571            | 709,946            | 886,715              | 965,225                | 1,080,816      | 1,171,579      | 1,333,505      | 1,499,649      | 1,693,604      |                |                |                |                |            |            |            |                  |           |
| 2004                                     | 8,494            | 258,111            | 872,659            | 1,268,350          | 1,467,004            | 1,699,147              | 1,880,551      | 2,055,445      | 2,242,522      | 2,508,837      |                |                |                |                |                |            |            |            |                  |           |
| 2005                                     | 14,481           | 199,050            | 555,531            | 806,211            | 1,101,947            | 1,301,221              | 1,473,232      | 1,759,834      | 2,014,661      |                |                |                |                |                |                |            |            |            |                  |           |
| 2006                                     | 10,227           | 154,866            | 343,412            | 576,952            | 807,757              | 941,402                | 1,030,471      | 1,211,684      |                |                |                |                |                |                |                |            |            |            |                  |           |
| 2007<br>2008                             | 5,832<br>10,579  | 250,350<br>172,403 | 524,980<br>398,549 | 762,100<br>751,925 | 947,108<br>1,097,937 | 1,121,420<br>1,379,413 | 1,253,950      |                |                |                |                |                |                |                |                |            |            |            |                  |           |
| 2008                                     | 6.750            | 330,615            | 778,014            | 1,084,747          | 1,413,265            | 1,379,413              |                |                |                |                |                |                |                |                |                |            |            |            |                  |           |
| 2010                                     | 14,243           | 253,019            | 566,659            | 811,890            | 1,413,203            |                        |                |                |                |                |                |                |                |                |                |            |            |            |                  |           |
| 2011                                     | 16,050           | 350,888            | 797,955            | 011,030            |                      |                        |                |                |                |                |                |                |                |                |                |            |            |            |                  |           |
| 2012                                     | 4,950            | 339,366            | 707,000            |                    |                      |                        |                |                |                |                |                |                |                |                |                |            |            |            |                  |           |
| 2013                                     | 19,130           | ,                  |                    |                    |                      |                        |                |                |                |                |                |                |                |                |                |            |            |            |                  |           |
| 8.5 8.1                                  |                  | 4000               | 00. 10             | 40. 54             | F4. 00               | 70                     | 70.00          | 00 / 100       |                | 4444 400       | 100 : 100      | 100 : 150      | 450 / 400      | 400 - 474      | 474. 400       | 400 / 400  | 400.040    | 040000     |                  |           |
| Policy Period                            | 6 to 18          | 18 to 30           | 30 to 42           | 42 to 54           | 54 to 66             | 66 to 78               | 78 to 90       | 90 to 102      | 102 to 114     | 114 to 126     | 126 to 138     | 138 to 150     | 150 to 162     | 162 to 174     | 174 to 186     | 186 to 198 | 198 to 210 | 210 to 222 | 222 to 234       |           |
| 1994                                     | -                | 2.815              | 1.449              | 1.791              | 1.082                | 1.107                  | 1.033          | 1.300          | 1.561          | 1.673          | 1.607          | 1.281          | 1.142          | 1.084          | 1.013          | 1.018      | 1.004      | 1.004      | 1.006            |           |
| 1995                                     | -                | 2.143              | 1.546              | 1.234              | 1.551                | 1.187                  | 1.103          | 1.149          | 1.326          | 1.088          | 1.170          | 1.219          | 1.141          | 1.128          | 1.047          | 1.058      | 1.021      | 1.043      |                  |           |
| 1996                                     |                  | 3.287              | 4.130              | 1.233              | 1.051                | 1.023                  | 1.075          | 1.234          | 1.131          | 1.424          | 1.422          | 1.315          | 1.208          | 1.176          | 1.112          | 1.056      | 1.091      |            |                  |           |
| 1997<br>1998                             | -                | 3.249<br>1.858     | 1.783<br>2.425     | 1.434<br>2.473     | 1.617<br>1.518       | 1.893<br>1.158         | 1.178<br>1.194 | 1.040<br>1.281 | 1.018<br>1.130 | 1.067<br>1.097 | 1.093<br>1.078 | 1.060<br>1.060 | 1.069<br>1.066 | 1.061<br>1.047 | 1.041<br>1.045 | 1.038      |            |            |                  |           |
| 1999                                     |                  | 7.242              | 4.636              | 1.811              | 1.347                | 1.512                  | 1.660          | 1.252          | 1.164          | 1.109          | 1.073          | 1.091          | 1.068          | 1.058          | 1.045          |            |            |            |                  |           |
| 2000                                     | 6.260            | 124.700            | 2.553              | 1.911              | 2.371                | 1.375                  | 1.110          | 1.139          | 1.054          | 1.067          | 1.083          | 1.052          | 1.029          | 1.000          |                |            |            |            |                  |           |
| 2001                                     | 150.028          | 2.101              | 1.580              | 1.292              | 1.291                | 1.619                  | 1.168          | 1.141          | 1.135          | 1.135          | 1.077          | 1.068          | 1.020          |                |                |            |            |            |                  |           |
| 2002                                     | 21.317           | 2.121              | 1.442              | 1.151              | 1.167                | 1.137                  | 1.164          | 1.115          | 1.138          | 1.132          | 1.108          |                |                |                |                |            |            |            |                  |           |
| 2003                                     | 5.863            | 1.667              | 1.182              | 1.249              | 1.089                | 1.120                  | 1.084          | 1.138          | 1.125          | 1.129          |                |                |                |                |                |            |            |            |                  |           |
| 2004                                     | 30.387           | 3.381              | 1.453              | 1.157              | 1.158                | 1.107                  | 1.093          | 1.091          | 1.119          |                |                |                |                |                |                |            |            |            |                  |           |
| 2005                                     | 13.746           | 2.791              | 1.451              | 1.367              | 1.181                | 1.132                  | 1.195          | 1.145          |                |                |                |                |                |                |                |            |            |            |                  |           |
| 2006                                     | 15.143           | 2.217              | 1.680              | 1.400              | 1.165                | 1.095                  | 1.176          |                |                |                |                |                |                |                |                |            |            |            |                  |           |
| 2007                                     | 42.927           | 2.097              | 1.452              | 1.243              | 1.184                | 1.118                  |                |                |                |                |                |                |                |                |                |            |            |            |                  |           |
| 2008<br>2009                             | 16.297           | 2.312<br>2.353     | 1.887<br>1.394     | 1.460              | 1.256                |                        |                |                |                |                |                |                |                |                |                |            |            |            |                  |           |
| 2010                                     | 48.980<br>17.764 | 2.353              | 1.433              | 1.303              |                      |                        |                |                |                |                |                |                |                |                |                |            |            |            |                  |           |
| 2010                                     | 21.862           | 2.274              | 1.433              |                    |                      |                        |                |                |                |                |                |                |                |                |                |            |            |            |                  |           |
| 2012                                     | 68.559           | L.L.               |                    |                    |                      |                        |                |                |                |                |                |                |                |                |                |            |            |            |                  |           |
|  |                  |                    |                    |                    |                      |                        |                |                |                |                |                |                |                |                |                |            |            |            |                  |           |
| 3 yr. Weighted Avg.                      | 26.765           | 2.293              | 1.519              | 1.331              | 1.207                | 1.117                  | 1.147          | 1.121          | 1.126          | 1.132          | 1.088          | 1.073          | 1.058          | 1.054          | 1.053          | 1.048      | 1.034      |            |                  |           |
| 3 yr. Simple Avg.                        | 36.062           | 2.289              | 1.571              | 1.335              | 1.202                | 1.115                  | 1.154          | 1.125          | 1.127          | 1.132          | 1.090          | 1.070          | 1.054          | 1.055          | 1.066          | 1.051      | 1.039      |            |                  |           |
| 6 yr. Weighted Avg.                      | 29.050           | 2.255              | 1.514              | 1.302              | 1.174                | 1.118                  | 1.144          | 1.127          | 1.123          | 1.107          | 1.083          | 1.078          | 1.071          | 1.070          | 4.050          |            |            |            |                  |           |
| 5 yr. Simple Avg.<br>All yr. Simple Avg. | 34.692<br>35.318 | 2.255<br>9.492     | 1.569<br>1.969     | 1.355<br>1.469     | 1.189<br>1.335       | 1.114<br>1.256         | 1.142<br>1.172 | 1.126<br>1.169 | 1.114<br>1.173 | 1.114<br>1.192 | 1.084<br>1.190 | 1.066<br>1.143 | 1.088<br>1.103 | 1.094<br>1.092 | 1.052<br>1.052 | 1.043      | 1.039      | 1.024      | 1.006            |           |
| All yr. Weighted Avg.                    | 20.007           | 2.369              | 1.585              | 1.396              | 1.307                | 1.250                  | 1.172          | 1.163          | 1.127          | 1.124          | 1.118          | 1.098          | 1.078          | 1.092          | 1.032          | 1.039      | 1.039      | 1.018      | 1.006            |           |
| Weighed Avg. for Period 2004             |                  | 2.457              | 1.501              | 1.302              | 1.188                | 1.114                  | 1.147          | 1.116          | 1.119          | 1.124          | 1.110          | 1.030          | 1.070          | 1.070          | 1.040          | 1.000      | 1.034      | 1.010      | 1.000            |           |
| Weighed Avg. for Period 2003             |                  | 2.334              | 1.459              | 1.296              | 1.174                | 1.115                  | 1.134          | 1.121          | 1.121          | 1.129          |                |                |                |                |                |            |            |            |                  |           |
|  | 6 to 18          | 18 to 30           | 30 to 42           | 42 to 54           | 54 to 66             | 66 to 78               | 78 to 90       | 90 to 102      | 102 to 114     | 114 to 126     | 126 to 138     | 138 to 150     | 150 to 162     | 162 to 174     | 174 to 186     | 186 to 198 | 198 to 210 | 210 to 222 | 222 to Ultimate* |           |
| Prior Selected ATA                       | 20.000           | 2.400              | 1.650              | 1.370              | 1.190                | 1.180                  | 1.180          | 1.170          | 1.150          | 1.120          | 1.100          | 1.100          | 1.100          | 1.100          | 1.100          | 1.060      | 1.2 (ATU)  | n/a        | n/a              |           |
|  |                  |                    |                    |                    |                      |                        |                |                |                |                |                |                |                |                |                |            | , ,        |            |                  |           |
| Selected Age-to-Age Factor               |                  | 2.350              | 1.550              | 1.360              | 1.190                | 1.150                  | 1.150          | 1.140          | 1.130          | 1.130          | 1.100          | 1.080          | 1.070          | 1.070          | 1.060          | 1.05       | 1.050      | 1.030      | 1.11             |           |
| Age-to-Ultimate                          | 412.479          | 20.624             | 8.776              | 5.662              | 4.163                | 3.499                  | 3.042          | 2.645          | 2.321          | 2.054          | 1.817          | 1.652          | 1.530          | 1.430          | 1.336          | 1.260      | 1.200      | 1.143      | 1.110            |           |
|  |                  |                    |                    |                    |                      |                        |                |                |                |                |                |                |                |                |                |            |            |            |                  |           |

Notes
The tail factor at age 222 was selected based on our professional judgment and a review of the indications under various curve fits (exponential and inverse power).



#### USTIF Loss Fund Experience at 6/30/2013 Closed Claim Counts

| (1)  | (2)  | (3)   | (4)   | (5)  | (6)   | (7)  | (8)   | (9)   | (10)  | (11)  | (12)   | (13)  | (14)   | (15)  | (16)                                   | (17)                            | (18)                     | (19)              | (20)       | (21) |
|--|--|---|---|--|---|--|---|---|---|---|--|---|--|---|--|---------------------------------|--------------------------|-------------------|------------|------|
| Policy Period  | Age in Months                              | 18  | 30  | 42   | 54  | 66   | 78  | 90  | 102   | 114   | 126  | 138   | 150  | 162   | 174                                    | 186                             | 198                      | 210               | 222        | 234  |
| 1994<br>1995<br>1996<br>1997<br>1998<br>1999<br>2000<br>2001<br>2002<br>2003<br>2004<br>2005<br>2006<br>2007<br>2008<br>2009<br>2010 | 10 41 24 16 12 32 22 10 16 10 9 6 12 13 14 | 117<br>212<br>130<br>165<br>218<br>163<br>147<br>38<br>63<br>61<br>70<br>65<br>55<br>71<br>68<br>66<br>51<br>47 | 133<br>213<br>201<br>242<br>281<br>295<br>147<br>62<br>143<br>98<br>122<br>112<br>106<br>95<br>87<br>76<br>85 | 123<br>256<br>234<br>254<br>315<br>275<br>156<br>105<br>183<br>113<br>147<br>133<br>117<br>106<br>95<br>94 | 134<br>272<br>242<br>278<br>321<br>284<br>176<br>131<br>196<br>132<br>173<br>142<br>133<br>115<br>108 | 141<br>275<br>260<br>277<br>331<br>300<br>204<br>145<br>213<br>144<br>187<br>154<br>143<br>124 | 142<br>271<br>262<br>281<br>346<br>339<br>218<br>160<br>243<br>156<br>202<br>158<br>151 | 148<br>275<br>263<br>288<br>362<br>370<br>228<br>184<br>251<br>160<br>213<br>165<br>157 | 146<br>277<br>266<br>311<br>371<br>381<br>250<br>191<br>255<br>170<br>226 | 145<br>281<br>273<br>320<br>391<br>403<br>259<br>200<br>259<br>175<br>237 | 148<br>295<br>277<br>332<br>405<br>416<br>267<br>213<br>264<br>183 | 150<br>295<br>289<br>342<br>418<br>427<br>274<br>221<br>274 | 154<br>304<br>297<br>351<br>430<br>437<br>281<br>239 | 155<br>315<br>301<br>357<br>436<br>449<br>287 | 158<br>318<br>312<br>364<br>447<br>472 | 160<br>328<br>314<br>371<br>455 | 161<br>335<br>321<br>379 | 161<br>337<br>326 | 160<br>342 | 162  |
| 2011<br>2012<br>2013   | 6<br>18<br>15                              | 60<br>76  | 97  |  |   |  |   |   |   |   |  |   |  |   |  |                                 |                          |                   |            |      |



#### USTIF Loss Fund Experience at 6/30/2013 Open Claims

| Open Craims   |  |  |   |   |   |   |  |  |   |   |  |  |   |   |                            |  |  |  |   |
|---|--|--|---|---|---|---|--|--|---|---|--|--|---|---|----------------------------|--|--|--|---|
| (2)   | (3)  | (4)  | (5)   | (6)   | (7)   | (8)   | (9)  | (10)   | (11)  | (12)  | (13)   | (14)   | (15)  | (16)  | (17)                       | (18)   | (19)   | (20)   | (21)  |
| Age in Months<br>6  | 18   | 30   | 42  | 54  | 66  | 78  | 90   | 102  | 114   | 126   | 138  | 150  | 162   | 174   | 186                        | 198  | 210  | 222  | 234   |
| 45<br>127<br>141<br>182<br>255<br>343<br>202<br>124<br>222<br>90<br>169<br>94<br>91<br>72<br>76<br>88<br>71<br>69<br>71 | 53<br>1777<br>253<br>268<br>3111<br>411<br>209<br>295<br>286<br>180<br>249<br>181<br>136<br>116<br>111<br>123<br>109<br>127<br>102 | 37<br>176<br>182<br>191<br>248<br>279<br>209<br>271<br>206<br>143<br>197<br>124<br>101<br>89<br>90<br>98<br>71<br>90   | 47<br>133<br>149<br>214<br>299<br>200<br>228<br>166<br>128<br>172<br>103<br>90<br>78<br>82<br>80<br>62  | 36<br>117<br>141<br>155<br>208<br>290<br>180<br>202<br>153<br>109<br>146<br>94<br>74<br>69<br>69  | 29<br>114<br>123<br>156<br>198<br>274<br>152<br>188<br>136<br>97<br>132<br>82<br>64<br>60<br>58   | 28<br>118<br>121<br>152<br>183<br>235<br>138<br>173<br>106<br>85<br>117<br>78<br>56<br>54   | 22<br>114<br>120<br>145<br>167<br>204<br>128<br>149<br>98<br>81<br>106<br>71<br>50   | 24<br>112<br>117<br>122<br>158<br>193<br>106<br>142<br>94<br>71<br>93<br>60  | 25<br>108<br>110<br>113<br>138<br>171<br>97<br>133<br>90<br>66<br>82  | 22<br>94<br>106<br>101<br>124<br>158<br>89<br>120<br>85<br>58   | 20<br>94<br>94<br>91<br>111<br>147<br>82<br>112<br>75  | 16<br>85<br>86<br>82<br>99<br>137<br>75<br>94  | 15<br>74<br>82<br>76<br>93<br>125<br>69   | 12<br>71<br>71<br>69<br>82<br>102   | 10<br>61<br>69<br>62<br>74 | 9<br>54<br>62<br>54  | 9<br>52<br>57  | 10<br>47   | 8   |
| 76  |  |  |   |   |   |   |  |  |   |   |  |  |   |   |                            |  |  |  |   |
|   | Age in Months 6  45 127 141 182 255 343 202 124 222 90 169 94 91 72 76 88 71 69  | Age in Months 6 18  45 53 127 177 141 253 182 268 255 311 343 411 202 209 124 295 222 286 90 180 169 249 94 181 91 136 72 116 76 111 88 123 71 109 69 127 71 102 | Age in Months 6 18 30  45 53 37 127 177 176 141 253 182 182 268 191 255 311 248 343 411 279 202 209 209 124 295 271 222 286 206 90 180 143 169 249 197 94 181 124 91 136 101 72 116 89 76 111 90 88 123 98 71 109 71 69 127 90 71 102 | Age in Months 6 18 30 42  45 53 37 47 127 177 176 133 141 253 182 149 182 268 191 179 255 311 248 214 343 411 279 299 202 209 209 200 124 295 271 228 222 286 206 166 90 180 143 128 169 249 197 172 94 181 124 103 91 136 101 90 72 116 89 78 76 111 90 82 88 123 98 80 71 109 71 62 69 71 102 | Age in Months 6 18 30 42 54  45 53 37 47 36 127 177 176 133 117 141 253 182 149 141 182 268 191 179 155 255 311 248 214 208 343 411 279 299 290 180 124 295 271 228 202 202 209 209 200 180 124 295 271 228 202 222 286 206 166 153 90 180 143 128 109 169 249 197 172 146 94 181 124 103 94 91 136 101 90 74 72 116 89 78 69 76 111 90 82 69 88 123 98 80 64 71 109 71 62 69 127 90 71 102 | Age in Months  6 18 30 42 54 66  45 53 37 47 36 29  127 177 176 133 117 114  141 253 182 149 141 123  182 268 191 179 155 156  255 311 248 214 208 198  343 411 279 299 290 274  202 209 209 200 180 152  124 295 271 228 202 278  222 286 206 166 153 136  90 180 143 128 109 97  169 249 197 172 146 132  94 181 124 103 94 82  91 136 101 90 74 64  77 2 116 89 78 69 60  76 111 90 82 69 58  88 123 98 80 64  71 109 71 62  69 127 90  71 102 | Age in Months  6 18 30 42 54 66 78  45 53 37 47 36 29 28  127 177 176 133 117 114 118  141 253 182 149 141 123 121  182 268 191 179 155 156 152  255 311 248 214 208 198 183  343 411 279 299 290 274 235  202 209 209 200 180 152 138  124 295 271 228 202 188 173  222 286 206 166 153 136 106  90 180 143 128 109 97 85  169 249 197 172 146 132 117  94 181 124 103 94 82 78  91 136 101 90 74 64 56  72 116 89 78 69 60 54  76 111 90 82 69  88 123 98 80 64  71 109 71 62  69 127 90  71 102 | Age in Months  6 18 30 42 54 66 78 90  45 53 37 47 36 29 28 22  127 177 176 133 117 114 118 114  141 253 182 149 141 123 121 120  182 268 191 179 155 315 122 145  255 311 248 214 208 198 183 167  343 411 279 299 290 274 235 204  202 209 209 200 180 152 138 128  124 295 271 228 202 188 173 149  222 286 206 166 153 136 106 98  90 180 143 128 109 97 85 81  169 249 197 172 146 132 117 106  94 181 124 103 94 82 78 71  91 136 101 90 74 64 56 50  76 111 90 82 69 58  88 123 98 80 64  71 109 71 62  69 127 90  71 102 | (2) (3) (4) (5) (6) (7) (8) (9) (10)  Age in Months 6 18 30 42 54 66 78 90 102  45 53 37 47 36 29 28 22 24  127 177 176 133 117 114 118 114 112  141 253 182 149 141 123 121 120 117  182 268 191 179 155 156 152 145 122  255 311 248 214 208 198 183 167 158  343 411 279 299 290 274 235 204 193  202 209 209 200 180 152 138 128 109  202 209 209 200 180 152 138 128 106  124 295 271 228 202 188 173 149 142  222 286 206 166 153 136 106 98 94  90 180 143 128 109 97 85 81 71  169 249 197 172 146 132 117 106 93  94 181 124 103 94 82 78 71 60  91 136 101 90 72 69 69 58  88 123 98 80 64  71 109 71 62  69 127 90  71 100 | Age in Months  6 18 30 42 54 66 78 90 102 114  45 53 37 47 36 29 28 22 24 25  127 177 176 133 117 114 118 114 112 108  141 253 182 149 141 123 121 120 117 110  182 268 191 179 155 156 152 145 122 113  255 311 248 214 208 198 183 167 158 138  343 411 279 299 290 274 235 204 193 171  202 209 209 200 180 152 138 128 106 97  124 295 271 228 202 188 173 149 142 133  2222 286 206 166 153 136 106 98 94 90  90 180 143 128 109 97 85 81 71 66  169 249 197 172 146 132 117 106 93 82  94 181 124 103 94 82 78 71 60  91 136 101 90 74 64 56 50  76 111 90 82 69 58  88 123 98 80 64  71 109 71 62  69 127 90  71 102 | Age in Months         6         18         30         42         54         66         78         90         102         114         126           45         53         37         47         36         29         28         22         24         25         22           127         177         176         133         117         114         118         114         112         108         94           141         253         182         149         141         123         121         120         117         110         106           182         268         191         179         155         156         152         145         122         113         101           255         311         248         214         208         198         183         167         158         138         124           343         411         279         299         290         274         235         204         193         171         158           202         209         209         200         180         152         138         128         106         97         89           124 | Age in Months         6         18         30         42         54         66         78         90         102         114         126         138           45         53         37         47         36         29         28         22         24         25         22         20           127         177         176         133         117         114         118         114         112         108         94         94           141         253         182         149         141         123         121         120         117         110         106         94           182         268         191         179         155         156         152         145         122         113         101         91           255         311         248         214         208         198         183         167         158         138         124         111           343         411         279         299         290         274         235         204         193         171         158         147           202         209         209         200         180         152 | Age in Months         6         18         30         42         54         66         78         90         102         114         126         138         150           45         53         37         47         36         29         28         22         24         25         22         20         16           127         177         176         133         117         114         118         114         112         108         94         94         85           141         253         182         149         141         123         121         120         117         110         106         94         86           182         268         191         179         155         156         152         145         122         113         101         91         82           255         311         248         214         208         198         183         167         158         138         124         111         99           202         209         294         294         235         204         193         171         158         147         137           202 <td< td=""><td>Age in Months         6         18         30         42         54         66         78         90         102         114         126         138         150         162           45         53         37         47         36         29         28         22         24         25         22         20         16         15           127         177         176         133         117         114         118         114         112         108         94         94         94         85         74           141         253         182         149         141         123         121         120         117         110         106         94         96         82           182         268         191         179         155         156         152         145         122         113         101         91         82         76           255         311         248         214         208         198         183         167         158         138         124         111         99         93         343         141         279         299         290         274         235         2</td><td>Age in Months  6</td><td>Age in Months 6 18 30 42 54 66 78 90 102 114 126 138 150 162 174 186 45 53 37 47 36 29 28 22 24 25 22 20 16 15 12 10 127 177 176 133 177 114 118 114 112 108 94 86 82 71 69 182 288 191 179 155 156 152 145 122 113 101 91 82 76 69 62 255 311 248 214 208 198 183 167 158 138 124 111 99 93 82 76 202 209 209 200 180 143 22 138 128 128 106 97 89 88 2 75 69 124 295 271 228 202 188 173 149 142 133 128 106 97 89 88 2 75 69 124 295 271 228 202 188 173 149 142 133 128 106 97 89 88 2 75 69 124 295 271 228 202 188 173 149 142 133 129 112 120 117 100 106 94 86 82 71 125 102 202 209 209 200 180 152 138 128 106 97 89 82 75 69 124 295 271 228 202 188 173 149 142 133 120 112 94 212 286 206 166 153 136 106 98 94 90 85 75 90 180 143 128 109 97 85 81 71 66 58 169 249 197 172 146 132 117 106 98 94 90 85 75 90 180 143 128 109 97 85 81 71 66 58 169 249 197 172 146 132 117 106 93 82 74 64 56 50 75 106 99 127 90 71 109 71 62</td><td>Age in Months 6 18 30 42 54 66 78 90 102 114 126 138 150 162 174 186 198  45 53 37 47 36 29 28 22 24 25 22 20 16 15 12 10 9  127 177 176 133 117 114 118 114 112 110 106 94 85 74 71 69 62  182 268 191 179 155 156 152 145 122 113 101 91 82 76 69 62  255 311 248 214 208 198 183 167 158 138 124 111 99 93 82 74  343 411 279 299 290 274 235 204 193 171 158 149 149 149 149 149 149 149 149 149 149</td><td>Age in Months 6 18 30 42 54 66 78 90 102 114 126 138 150 162 174 186 198 210  45 53 37 47 36 29 28 22 24 25 22 20 16 15 12 10 9 9 9 127 114 118 118 114 112 108 94 94 85 74 71 61 54 52 171 69 62 57 182 268 191 179 155 156 152 145 122 113 101 191 82 76 69 62 57 182 256 311 248 214 208 198 183 167 158 138 124 111 99 93 82 74 235 204 193 171 158 141 279 299 200 180 152 138 128 106 97 89 82 75 69 122 22 286 206 166 153 136 106 98 94 90 85 75 90 180 143 128 109 97 85 81 71 60 97 89 82 275 69 102 112 124 125 138 128 149 141 129 138 128 149 141 129 188 183 167 158 138 124 111 99 93 82 74 125 102 124 125 126 127 137 125 125 126 127 137 125 127 127 127 127 127 127 127 127 127 127</td><td>Age in Months 6 18 30 42 54 66 78 90 102 114 126 138 150 162 174 186 198 210 222  45 53 37 47 36 29 28 22 24 25 22 20 16 15 12 10 9 9 10 177 144 118 114 118 114 112 108 94 94 85 74 71 61 54 52 47 144 128 128 129 144 141 123 121 120 117 110 106 94 86 82 71 69 62 57 182 256 311 248 214 208 198 183 167 158 138 124 111 199 93 82 76 69 62 54 134 111 279 299 290 274 235 204 193 171 158 147 137 125 102 290 200 180 152 138 128 106 97 89 82 27 5 69 122 22 286 206 166 153 138 128 106 97 89 82 27 5 69 180 143 128 109 97 85 81 81 71 66 58 180 122 133 120 112 94 124 222 286 206 166 153 136 100 97 85 81 81 81 81 82 114 124 125 188 128 106 97 89 82 82 75 90 180 143 128 109 97 85 81 81 71 66 58 180 112 94 141 128 128 128 106 97 89 82 27 5 69 102 124 225 221 286 206 166 153 136 106 98 94 90 85 75 90 180 143 128 109 97 85 81 81 71 66 58 180 122 113 101 112 94 142 133 120 112 94 122 122 222 286 206 166 153 136 106 98 94 90 85 75 90 180 143 128 109 97 85 81 81 71 66 58 180 122 133 120 112 94 122 123 124 128 109 97 85 81 81 71 66 88 75 102 113 101 90 74 64 56 50 75 169 180 143 128 109 97 85 81 71 66 88 75 160 180 143 128 109 97 85 81 81 71 66 58 180 180 143 128 109 97 85 81 81 71 66 58 180 180 143 128 109 97 85 81 81 71 66 58 81 81 81 81 81 81 81 81 81 81 81 81 81</td></td<> | Age in Months         6         18         30         42         54         66         78         90         102         114         126         138         150         162           45         53         37         47         36         29         28         22         24         25         22         20         16         15           127         177         176         133         117         114         118         114         112         108         94         94         94         85         74           141         253         182         149         141         123         121         120         117         110         106         94         96         82           182         268         191         179         155         156         152         145         122         113         101         91         82         76           255         311         248         214         208         198         183         167         158         138         124         111         99         93         343         141         279         299         290         274         235         2 | Age in Months  6           | Age in Months 6 18 30 42 54 66 78 90 102 114 126 138 150 162 174 186 45 53 37 47 36 29 28 22 24 25 22 20 16 15 12 10 127 177 176 133 177 114 118 114 112 108 94 86 82 71 69 182 288 191 179 155 156 152 145 122 113 101 91 82 76 69 62 255 311 248 214 208 198 183 167 158 138 124 111 99 93 82 76 202 209 209 200 180 143 22 138 128 128 106 97 89 88 2 75 69 124 295 271 228 202 188 173 149 142 133 128 106 97 89 88 2 75 69 124 295 271 228 202 188 173 149 142 133 128 106 97 89 88 2 75 69 124 295 271 228 202 188 173 149 142 133 129 112 120 117 100 106 94 86 82 71 125 102 202 209 209 200 180 152 138 128 106 97 89 82 75 69 124 295 271 228 202 188 173 149 142 133 120 112 94 212 286 206 166 153 136 106 98 94 90 85 75 90 180 143 128 109 97 85 81 71 66 58 169 249 197 172 146 132 117 106 98 94 90 85 75 90 180 143 128 109 97 85 81 71 66 58 169 249 197 172 146 132 117 106 93 82 74 64 56 50 75 106 99 127 90 71 109 71 62 | Age in Months 6 18 30 42 54 66 78 90 102 114 126 138 150 162 174 186 198  45 53 37 47 36 29 28 22 24 25 22 20 16 15 12 10 9  127 177 176 133 117 114 118 114 112 110 106 94 85 74 71 69 62  182 268 191 179 155 156 152 145 122 113 101 91 82 76 69 62  255 311 248 214 208 198 183 167 158 138 124 111 99 93 82 74  343 411 279 299 290 274 235 204 193 171 158 149 149 149 149 149 149 149 149 149 149 | Age in Months 6 18 30 42 54 66 78 90 102 114 126 138 150 162 174 186 198 210  45 53 37 47 36 29 28 22 24 25 22 20 16 15 12 10 9 9 9 127 114 118 118 114 112 108 94 94 85 74 71 61 54 52 171 69 62 57 182 268 191 179 155 156 152 145 122 113 101 191 82 76 69 62 57 182 256 311 248 214 208 198 183 167 158 138 124 111 99 93 82 74 235 204 193 171 158 141 279 299 200 180 152 138 128 106 97 89 82 75 69 122 22 286 206 166 153 136 106 98 94 90 85 75 90 180 143 128 109 97 85 81 71 60 97 89 82 275 69 102 112 124 125 138 128 149 141 129 138 128 149 141 129 188 183 167 158 138 124 111 99 93 82 74 125 102 124 125 126 127 137 125 125 126 127 137 125 127 127 127 127 127 127 127 127 127 127 | Age in Months 6 18 30 42 54 66 78 90 102 114 126 138 150 162 174 186 198 210 222  45 53 37 47 36 29 28 22 24 25 22 20 16 15 12 10 9 9 10 177 144 118 114 118 114 112 108 94 94 85 74 71 61 54 52 47 144 128 128 129 144 141 123 121 120 117 110 106 94 86 82 71 69 62 57 182 256 311 248 214 208 198 183 167 158 138 124 111 199 93 82 76 69 62 54 134 111 279 299 290 274 235 204 193 171 158 147 137 125 102 290 200 180 152 138 128 106 97 89 82 27 5 69 122 22 286 206 166 153 138 128 106 97 89 82 27 5 69 180 143 128 109 97 85 81 81 71 66 58 180 122 133 120 112 94 124 222 286 206 166 153 136 100 97 85 81 81 81 81 82 114 124 125 188 128 106 97 89 82 82 75 90 180 143 128 109 97 85 81 81 71 66 58 180 112 94 141 128 128 128 106 97 89 82 27 5 69 102 124 225 221 286 206 166 153 136 106 98 94 90 85 75 90 180 143 128 109 97 85 81 81 71 66 58 180 122 113 101 112 94 142 133 120 112 94 122 122 222 286 206 166 153 136 106 98 94 90 85 75 90 180 143 128 109 97 85 81 81 71 66 58 180 122 133 120 112 94 122 123 124 128 109 97 85 81 81 71 66 88 75 102 113 101 90 74 64 56 50 75 169 180 143 128 109 97 85 81 71 66 88 75 160 180 143 128 109 97 85 81 81 71 66 58 180 180 143 128 109 97 85 81 81 71 66 58 180 180 143 128 109 97 85 81 81 71 66 58 81 81 81 81 81 81 81 81 81 81 81 81 81 |



#### USTIF Loss Fund Experience at 6/30/2013 Ratios of Paid to Incurred Loss

| (1)           | (2)           | (3)   | (4)   | (5)   | (6)   | (7)   | (8)   | (9)   | (10)  | (11)  | (12)  | (13)  | (14)  | (15)  | (16)  | (17)  | (18)  | (19)  | (20)  | (21)  |
|---------------|---------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| Policy Period | Age in Months | 18    | 30    | 42    | 54    | 66    | 78    | 90    | 102   | 114   | 126   | 138   | 150   | 162   | 174   | 186   | 198   | 210   | 222   | 234   |
| -             |               |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |
| 1994          | 0.012         | 0.114 | 0.297 | 0.480 | 0.641 | 0.688 | 0.675 | 0.721 | 0.705 | 0.734 | 0.764 | 0.787 | 0.812 | 0.821 | 0.890 | 0.912 | 0.922 | 0.932 | 0.940 | 0.961 |
| 1995          | 0.009         | 0.251 | 0.489 | 0.605 | 0.693 | 0.730 | 0.679 | 0.709 | 0.736 | 0.764 | 0.806 | 0.811 | 0.828 | 0.841 | 0.858 | 0.895 | 0.908 | 0.919 | 0.926 |       |
| 1996          | 0.042         | 0.247 | 0.433 | 0.584 | 0.648 | 0.659 | 0.693 | 0.718 | 0.725 | 0.779 | 0.805 | 0.836 | 0.853 | 0.869 | 0.887 | 0.895 | 0.901 | 0.911 |       |       |
| 1997          | 0.067         | 0.281 | 0.516 | 0.572 | 0.638 | 0.689 | 0.664 | 0.724 | 0.754 | 0.799 | 0.822 | 0.863 | 0.876 | 0.893 | 0.910 | 0.935 | 0.951 |       |       |       |
| 1998          | 0.034         | 0.348 | 0.523 | 0.587 | 0.645 | 0.694 | 0.704 | 0.744 | 0.786 | 0.809 | 0.858 | 0.890 | 0.909 | 0.930 | 0.935 | 0.949 |       |       |       |       |
| 1999          | 0.038         | 0.255 | 0.472 | 0.562 | 0.579 | 0.633 | 0.707 | 0.748 | 0.772 | 0.813 | 0.858 | 0.888 | 0.903 | 0.918 | 0.934 |       |       |       |       |       |
| 2000          | 0.087         | 0.257 | 0.465 | 0.555 | 0.607 | 0.647 | 0.721 | 0.780 | 0.832 | 0.869 | 0.891 | 0.896 | 0.921 | 0.934 |       |       |       |       |       |       |
| 2001          | 0.050         | 0.193 | 0.364 | 0.501 | 0.605 | 0.675 | 0.735 | 0.797 | 0.824 | 0.860 | 0.885 | 0.889 | 0.909 |       |       |       |       |       |       |       |
| 2002          | 0.008         | 0.164 | 0.325 | 0.472 | 0.560 | 0.650 | 0.741 | 0.790 | 0.819 | 0.851 | 0.864 | 0.887 |       |       |       |       |       |       |       |       |
| 2003          | 0.010         | 0.164 | 0.327 | 0.505 | 0.615 | 0.718 | 0.772 | 0.797 | 0.818 | 0.845 | 0.867 |       |       |       |       |       |       |       |       |       |
| 2004          | 0.003         | 0.100 | 0.255 | 0.432 | 0.569 | 0.684 | 0.732 | 0.759 | 0.812 | 0.841 |       |       |       |       |       |       |       |       |       |       |
| 2005          | 0.008         | 0.117 | 0.364 | 0.532 | 0.620 | 0.709 | 0.766 | 0.814 | 0.841 |       |       |       |       |       |       |       |       |       |       |       |
| 2006          | 0.009         | 0.166 | 0.404 | 0.561 | 0.667 | 0.765 | 0.770 | 0.820 |       |       |       |       |       |       |       |       |       |       |       |       |
| 2007          | 0.029         | 0.281 | 0.541 | 0.646 | 0.741 | 0.790 | 0.852 |       |       |       |       |       |       |       |       |       |       |       |       |       |
| 2008          | 0.045         | 0.281 | 0.484 | 0.623 | 0.707 | 0.790 |       |       |       |       |       |       |       |       |       |       |       |       |       |       |
| 2009          | 0.025         | 0.220 | 0.449 | 0.617 | 0.713 |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |
| 2010          | 0.030         | 0.234 | 0.491 | 0.592 |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |
| 2011          | 0.018         | 0.159 | 0.412 |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |
| 2012          | 0.007         | 0.164 |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |
| 2013          | 0.006         |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |

Note - Loss data equals ratio of data in Exhibit 13 to data in Exhibit 12.



#### USTIF Loss Fund Experience at 6/30/2013 Ratios of Closed to Reported Claims

| (1)            | (2)           | (3)   | (4)   | (5)   | (6)   | (7)   | (8)   | (9)   | (10)  | (11)  | (12)  | (13)  | (14)  | (15)  | (16)  | (17)  | (18)  | (19)  | (20)  | (21)  |
|----------------|---------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| Policy Period  | Age in Months | 18    | 30    | 42    | 54    | 66    | 78    | 90    | 102   | 114   | 126   | 138   | 150   | 162   | 174   | 186   | 198   | 210   | 222   | 234   |
| r oncy r eriou | · ·           | 10    | 30    | 72    | 34    | 00    | 70    | 30    | 102   | 114   | 120   | 130   | 130   | 102   | 174   | 100   | 130   | 210   | LLL   | 234   |
| 1994           | 0.182         | 0.688 | 0.782 | 0.724 | 0.788 | 0.829 | 0.835 | 0.871 | 0.859 | 0.853 | 0.871 | 0.882 | 0.906 | 0.912 | 0.929 | 0.941 | 0.947 | 0.947 | 0.941 | 0.953 |
| 1995           | 0.244         | 0.545 | 0.548 | 0.658 | 0.699 | 0.707 | 0.697 | 0.707 | 0.712 | 0.722 | 0.758 | 0.758 | 0.781 | 0.810 | 0.817 | 0.843 | 0.861 | 0.866 | 0.879 |       |
| 1996           | 0.145         | 0.339 | 0.525 | 0.611 | 0.632 | 0.679 | 0.684 | 0.687 | 0.695 | 0.713 | 0.723 | 0.755 | 0.775 | 0.786 | 0.815 | 0.820 | 0.838 | 0.851 |       |       |
| 1997           | 0.081         | 0.381 | 0.559 | 0.587 | 0.642 | 0.640 | 0.649 | 0.665 | 0.718 | 0.739 | 0.767 | 0.790 | 0.811 | 0.824 | 0.841 | 0.857 | 0.875 |       |       |       |
| 1998           | 0.045         | 0.412 | 0.531 | 0.595 | 0.607 | 0.626 | 0.654 | 0.684 | 0.701 | 0.739 | 0.766 | 0.790 | 0.813 | 0.824 | 0.845 | 0.860 |       |       |       |       |
| 1999           | 0.085         | 0.284 | 0.514 | 0.479 | 0.495 | 0.523 | 0.591 | 0.645 | 0.664 | 0.702 | 0.725 | 0.744 | 0.761 | 0.782 | 0.822 |       |       |       |       |       |
| 2000           | 0.098         | 0.413 | 0.413 | 0.438 | 0.494 | 0.573 | 0.612 | 0.640 | 0.702 | 0.728 | 0.750 | 0.770 | 0.789 | 0.806 |       |       |       |       |       |       |
| 2001           | 0.075         | 0.114 | 0.186 | 0.315 | 0.393 | 0.435 | 0.480 | 0.553 | 0.574 | 0.601 | 0.640 | 0.664 | 0.718 |       |       |       |       |       |       |       |
| 2002           | 0.067         | 0.181 | 0.410 | 0.524 | 0.562 | 0.610 | 0.696 | 0.719 | 0.731 | 0.742 | 0.756 | 0.785 |       |       |       |       |       |       |       |       |
| 2003           | 0.100         | 0.253 | 0.407 | 0.469 | 0.548 | 0.598 | 0.647 | 0.664 | 0.705 | 0.726 | 0.759 |       |       |       |       |       |       |       |       |       |
| 2004           | 0.051         | 0.219 | 0.382 | 0.461 | 0.542 | 0.586 | 0.633 | 0.668 | 0.708 | 0.743 |       |       |       |       |       |       |       |       |       |       |
| 2005           | 0.060         | 0.233 | 0.475 | 0.564 | 0.602 | 0.653 | 0.669 | 0.699 | 0.746 |       |       |       |       |       |       |       |       |       |       |       |
| 2006           | 0.117         | 0.343 | 0.512 | 0.565 | 0.643 | 0.691 | 0.729 | 0.758 |       |       |       |       |       |       |       |       |       |       |       |       |
| 2007           | 0.153         | 0.370 | 0.516 | 0.576 | 0.625 | 0.674 | 0.707 |       |       |       |       |       |       |       |       |       |       |       |       |       |
| 2008           | 0.156         | 0.373 | 0.492 | 0.537 | 0.610 | 0.672 |       |       |       |       |       |       |       |       |       |       |       |       |       |       |
| 2009           | 0.064         | 0.293 | 0.437 | 0.540 | 0.632 |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |
| 2010           | 0.113         | 0.301 | 0.545 | 0.603 |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |
| 2011           | 0.080         | 0.321 | 0.519 |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |
| 2012           | 0.202         | 0.427 |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |
| 2013           | 0.165         |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |
|                |               |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |

Note - Loss data equals ratio of data in Exhibit 16 to data in Exhibit 14.



#### USTIF Loss Fund Experience at 6/30/2013 Average Incurred Loss per Reported Claim

| (1)  | (2)  | (3)   | (4)   | (5)   | (6)   | (7)  | (8)   | (9)  | (10)  | (11)  | (12)   | (13)   | (14)  | (15)   | (16)  | (17)   | (18)                                    | (19)                         | (20)              | (21)   |
|--|--|---|---|---|---|--|---|--|---|---|--|--|---|--|---|--|---|------------------------------|-------------------|--------|
| Policy Period  | Age in Months  | 18  | 30  | 42  | 54  | 66   | 78  | 90   | 102   | 114   | 126  | 138  | 150   | 162  | 174   | 186  | 198                                     | 210                          | 222               | 234    |
| 1994<br>1996<br>1996<br>1997<br>1998<br>1999<br>2000<br>2001<br>2002<br>2003<br>2004<br>2005<br>2006<br>2007<br>2008<br>2009<br>2010<br>2011<br>2012 | 41,697<br>51,269<br>54,160<br>61,534<br>74,696<br>69,359<br>80,771<br>120,337<br>114,881<br>117,300<br>121,461<br>137,350<br>112,379<br>117,118<br>116,500<br>124,096<br>116,663<br>120,133<br>101,809 | 55,784<br>41,385<br>61,015<br>64,346<br>68,047<br>73,671<br>87,664<br>127,998<br>119,841<br>103,700<br>126,660<br>109,056<br>109,056<br>109,921<br>112,391<br>127,912<br>112,391<br>84,19<br>85,640 | 52,350<br>47,040<br>67,660<br>65,264<br>79,115<br>91,068<br>110,233<br>149,860<br>125,095<br>123,155<br>126,895<br>124,711<br>100,637<br>112,673<br>123,499<br>111,865<br>101,049 | 50,513<br>51,171<br>72,129<br>83,550<br>97,650<br>97,650<br>113,959<br>162,547<br>134,481<br>126,919<br>152,443<br>106,890<br>132,802<br>132,802<br>132,805 | 46,651<br>54,104<br>79,663<br>98,214<br>114,501<br>145,802<br>180,239<br>148,544<br>150,342<br>132,981<br>150,342<br>138,143<br>112,781<br>142,291<br>133,941 | 48,909<br>62,303<br>95,467<br>110,088<br>129,898<br>162,973<br>170,116<br>197,135<br>157,915<br>133,903<br>149,672<br>142,972<br>117,569<br>150,569<br>142,298 | 63,157<br>77,626<br>105,225<br>132,337<br>147,959<br>167,938<br>208,057<br>161,162<br>142,659<br>161,339<br>149,321<br>131,212<br>155,181 | 67,855<br>85,376<br>115,463<br>141,685<br>158,390<br>176,224<br>180,100<br>210,586<br>1770,221<br>151,843<br>171,523<br>155,663<br>134,939 | 76,395<br>92,036<br>126,591<br>148,245<br>166,719<br>186,707<br>219,884<br>172,272<br>175,874<br>169,483<br>161,395 | 78,941<br>96,338<br>129,263<br>151,196<br>175,189<br>191,535<br>225,438<br>177,89<br>162,296<br>171,070 | 80,128<br>98,609<br>135,788<br>156,597<br>177,491<br>195,612<br>187,904<br>230,954<br>183,290<br>166,251 | 81,082<br>105,395<br>141,488<br>158,391<br>178,426<br>197,740<br>192,313<br>239,202<br>184,351 | 81,876<br>108,880<br>146,150<br>162,765<br>181,552<br>200,360<br>192,241<br>240,349 | 83,234<br>115,588<br>149,307<br>165,742<br>184,150<br>202,291<br>193,828 | 87,087<br>118,253<br>149,064<br>167,238<br>185,803<br>203,166 | 87,355<br>117,357<br>152,400<br>166,371<br>187,368 | 88,511<br>119,559<br>154,619<br>165,916 | 89,435<br>121,166<br>156,267 | 90,616<br>122,572 | 90,069 |

Note - Loss data equals ratio of data in Exhibit 12 to data in Exhibit 14.



#### USTIF Loss Fund Experience at 6/30/2013 Average Paid Loss per Closed Claim

| (1)  | (2)  | (3)   | (4)  | (5)   | (6)  | (7)   | (8)  | (9)   | (10)   | (11)   | (12)  | (13)   | (14)  | (15)   | (16)  | (17)   | (18)                                    | (19)                         | (20)              | (21)   |
|--|--|---|--|---|--|---|--|---|--|--|---|--|---|--|---|--|---|------------------------------|-------------------|--------|
| Policy Period  | Age in Month<br>6  | s<br>18   | 30   | 42  | 54   | 66  | 78   | 90  | 102  | 114  | 126   | 138  | 150   | 162  | 174   | 186  | 198                                     | 210                          | 222               | 234    |
| 1994<br>1995<br>1996<br>1997<br>1998<br>1999<br>2000<br>2001<br>2002<br>2003<br>2004<br>2005<br>2006<br>2007<br>2008<br>2009<br>2010 | 2,655<br>1,960<br>15,752<br>50,961<br>55,794<br>31,100<br>71,594<br>80,891<br>13,522<br>11,645<br>6,159<br>19,292<br>8,245<br>21,994<br>33,851<br>49,445<br>30,797<br>26,736 | 9,278<br>19,090<br>44,394<br>47,402<br>57,512<br>66,243<br>54,584<br>216,596<br>67,261<br>57,09<br>83,478<br>95,891<br>87,318<br>53,743 | 19,864<br>41,968<br>55,840<br>60,254<br>77,905<br>83,595<br>124,014<br>292,970<br>99,162<br>98,890<br>84,494<br>95,530<br>79,455<br>117,989<br>124,891<br>127,034<br>100,903<br>80,172 | 33,531<br>47,073<br>68,990<br>81,506<br>96,182<br>133,728<br>164,460<br>258,209<br>136,761<br>142,971<br>148,445<br>106,077<br>148,993<br>154,263<br>135,910<br>130,568 | 37,947<br>53,597<br>81,712<br>97,531<br>121,730<br>170,737<br>185,433<br>277,017<br>148,204<br>149,214<br>157,79<br>142,442<br>117,114<br>168,543<br>139,814 | 40,585<br>64,315<br>92,736<br>118,535<br>144,090<br>197,329<br>192,001<br>33,168,214<br>160,916<br>174,767<br>155,447<br>130,204<br>176,587 | 51,003<br>75,703<br>106,590<br>135,465<br>159,153<br>201,022<br>207,291<br>318,305<br>171,590<br>170,195<br>186,541<br>170,813<br>138,537<br>187,118 | 56,194<br>85,640<br>120,797<br>154,281<br>172,185<br>204,576<br>219,255<br>303,762<br>186,900<br>182,280<br>194,902<br>181,328<br>145,895 | 62,706<br>95,164<br>132,063<br>155,719<br>186,837<br>217,036<br>214,422<br>315,981<br>196,855<br>183,795<br>194,370<br>181,986 | 67,913<br>101,863<br>141,323<br>163,548<br>191,814<br>221,769<br>219,488<br>322,679<br>203,884<br>188,860<br>193,581 | 70,342<br>104,793<br>151,227<br>167,797<br>198,967<br>231,660<br>223,205<br>319,429<br>209,278<br>189,834 | 72,292<br>112,687<br>156,680<br>173,014<br>200,974<br>236,066<br>223,981<br>320,418<br>208,336 | 73,382<br>115,427<br>160,728<br>175,957<br>202,934<br>237,710<br>224,396<br>304,284 | 74,912<br>120,114<br>165,113<br>179,588<br>207,752<br>237,498<br>224,591 | 83,358<br>124,184<br>162,381<br>181,128<br>205,667<br>230,813 | 84,603<br>124,552<br>166,338<br>181,538<br>206,809 | 86,146<br>126,082<br>166,180<br>180,342 | 87,979<br>128,546<br>167,181 | 90,501<br>129,164 | 90,846 |
| 2007<br>2008<br>2009   | 21,994<br>33,851<br>49,445   | 83,478<br>83,436<br>95,891  | 117,998<br>124,891<br>127,034  | 148,993<br>154,263<br>135,910   | 168,597<br>160,438   | 176,587   |  | 140,095   |  |  |   |  |   |  |   |  |   |                              |                   |        |

Note - Loss data equals ratio of data in Exhibit 13 to data in Exhibit 16.



#### USTIF Loss Fund Experience at 6/30/2013 Average Case Outstanding Loss

| (1)  | (2)   | (3)  | (4)   | (5)  | (6)  | (7)  | (8)   | (9)   | (10)   | (11)   | (12)  | (13)   | (14)   | (15)   | (16)  | (17)  | (18)                                  | (19)                        | (20)             | (21)   |
|--|---|--|---|--|--|--|---|---|--|--|---|--|--|--|---|---|---------------------------------------|-----------------------------|------------------|--------|
| Policy Period  | Age in Month<br>6   | ıs<br>18   | 30  | 42   | 54   | 66   | 78  | 90  | 102  | 114  | 126   | 138  | 150  | 162  | 174   | 186   | 198                                   | 210                         | 222              | 234    |
| 1994<br>1995<br>1996<br>1997<br>1998<br>1999<br>2000<br>2001<br>2002<br>2003<br>2004<br>2005<br>2006<br>2007<br>2008<br>2009<br>2010<br>2011 | 50,373<br>67,188<br>60,698<br>62,464<br>75,585<br>72,929<br>81,770<br>123,518<br>122,186<br>129,039<br>127,601<br>144,886<br>126,111<br>134,293<br>131,725<br>129,186<br>127,547<br>128,255 | 158,449<br>68,089<br>69,556<br>74,777<br>75,432<br>76,616<br>110,931<br>116,597<br>122,327<br>116,048<br>145,987<br>149,431<br>138,472<br>125,422<br>126,763<br>141,189<br>123,025 | 169,125<br>53,179<br>80,715<br>71,612<br>80,486<br>98,970<br>100,539<br>117,120<br>143,097<br>139,785<br>151,068<br>122,688<br>102,688<br>102,686<br>120,757<br>124,989 | 94,954 59,059 77,060 86,451 99,810 95,776 102,736 118,494 149,201 118,201 118,201 110,800 108,137 98,939 136,424 | 79,050<br>55,283<br>76,146<br>99,439<br>103,344<br>121,384<br>117,177<br>148,979<br>113,328<br>131,650<br>104,994<br>98,446<br>103,924<br>96,659 | 89,377<br>57,449<br>101,239<br>95,089<br>106,173<br>125,366<br>140,746<br>113,337<br>141,785<br>93,803<br>114,120<br>119,543<br>89,338<br>96,799<br>91,170 | 124,792<br>82,042<br>102,270<br>126,555<br>120,211<br>126,6795<br>120,211<br>126,679<br>106,093<br>137,256<br>92,125<br>117,829<br>105,787<br>111,461<br>78,297 | 146,299<br>84,741<br>103,772<br>116,667<br>128,485<br>124,801<br>110,355<br>95,524<br>127,504<br>91,720<br>124,546<br>96,018<br>100,535 | 159,668<br>84,300<br>114,151<br>129,479<br>126,834<br>102,105<br>90,628<br>118,208<br>97,914<br>109,005<br>100,996 | 142,906<br>81,962<br>99,332<br>116,217<br>128,086<br>120,281<br>88,710<br>79,212<br>103,094<br>91,859<br>106,010 | 145,957<br>79,203<br>95,442<br>119,783<br>107,347<br>100,700<br>82,001<br>73,913<br>102,576<br>91,843 | 147,008<br>82,510<br>94,781<br>103,435<br>93,516<br>86,413<br>86,496<br>78,946<br>96,727 | 163,625<br>85,465<br>95,805<br>106,297<br>88,663<br>81,222<br>71,765<br>77,788 | 169,222<br>96,322<br>91,289<br>100,707<br>73,497<br>75,825<br>65,867 | 136,183<br>91,689<br>90,547<br>93,964<br>77,521<br>75,229 | 131,394<br>78,670<br>88,971<br>75,612<br>67,833 | 130,815<br>79,095<br>94,767<br>64,663 | 115,490<br>73,339<br>93,846 | 92,468<br>74,603 | 74,339 |
| 2012<br>2013   | 126,672<br>124,595  | 124,875  |   |  |  |  |   |   |  |  |   |  |  |  |   |   |                                       |                             |                  |        |

Note - The above values can be calculated according to the following formula: (Exhibit 12 - Exhibit 13) / (Exhibit 14 - Exhibit 16)



#### USTIF Loss Fund Experience at 6/30/2013 Ratios of Paid ALAE to Paid Loss

| (1)  | (2)   | (3)  | (4)   | (5)   | (6)   | (7)  | (8)  | (9)   | (10)   | (11)   | (12)   | (13)  | (14)   | (15)  | (16)   | (17)                                      | (18)                             | (19)                    | (20)           | (21)  |
|--|---|--|---|---|---|--|--|---|--|--|--|---|--|---|--|---|----------------------------------|-------------------------|----------------|-------|
| Policy Period  | Age in Months   | 18   | 30  | 42  | 54  | 66   | 78   | 90  | 102  | 114  | 126  | 138   | 150  | 162   | 174  | 186                                       | 198                              | 210                     | 222            | 234   |
| 1994<br>1995<br>1996<br>1997<br>1998<br>1999<br>2000<br>2001<br>2002<br>2003<br>2004<br>2005<br>2006<br>2007<br>2008<br>2009<br>2010<br>2011<br>2011 | 0.000<br>0.000<br>0.000<br>0.000<br>0.000<br>0.000<br>0.001<br>0.054<br>0.528<br>0.153<br>0.125<br>0.103<br>0.020<br>0.022<br>0.023 | 0.025<br>0.010<br>0.002<br>0.007<br>0.008<br>0.001<br>0.000<br>0.018<br>0.088<br>0.064<br>0.055<br>0.041<br>0.044<br>0.031<br>0.068<br>0.062 | 0.029<br>0.010<br>0.004<br>0.012<br>0.009<br>0.006<br>0.017<br>0.085<br>0.052<br>0.041<br>0.047<br>0.037<br>0.081<br>0.086<br>0.103 | 0.027<br>0.011<br>0.015<br>0.016<br>0.015<br>0.018<br>0.035<br>0.046<br>0.060<br>0.051<br>0.048<br>0.048<br>0.048 | 0.039<br>0.011<br>0.010<br>0.017<br>0.030<br>0.015<br>0.018<br>0.038<br>0.045<br>0.054<br>0.054<br>0.052<br>0.049 | 0.038<br>0.015<br>0.009<br>0.022<br>0.037<br>0.017<br>0.019<br>0.029<br>0.042<br>0.052<br>0.054<br>0.051 | 0.033<br>0.015<br>0.008<br>0.036<br>0.037<br>0.022<br>0.041<br>0.026<br>0.028<br>0.041<br>0.050<br>0.055 | 0.030<br>0.014<br>0.007<br>0.037<br>0.039<br>0.031<br>0.028<br>0.029<br>0.040<br>0.050<br>0.055 | 0.035<br>0.015<br>0.008<br>0.035<br>0.045<br>0.037<br>0.044<br>0.029<br>0.030<br>0.043 | 0.051<br>0.018<br>0.008<br>0.033<br>0.047<br>0.040<br>0.031<br>0.033<br>0.045<br>0.055 | 0.081<br>0.018<br>0.011<br>0.033<br>0.048<br>0.041<br>0.044<br>0.034<br>0.035<br>0.049 | 0.125<br>0.020<br>0.014<br>0.034<br>0.050<br>0.042<br>0.047<br>0.035<br>0.035 | 0.153<br>0.023<br>0.018<br>0.035<br>0.051<br>0.045<br>0.048<br>0.036 | 0.170<br>0.024<br>0.021<br>0.036<br>0.052<br>0.047<br>0.048 | 0.163<br>0.026<br>0.024<br>0.037<br>0.054<br>0.048 | 0.161<br>0.026<br>0.026<br>0.037<br>0.055 | 0.159<br>0.027<br>0.027<br>0.038 | 0.157<br>0.027<br>0.029 | 0.154<br>0.027 | 0.152 |
| 2013   | 0.343   |  |   |   |   |  |  |   |  |  |  |   |  |   |  |   |                                  |                         |                |       |

Note - Loss data equals ratio of data in Exhibit 15 to data in Exhibit 13.



#### USTIF Loss Fund Experience at 6/30/2013 Average Paid ALAE per Reported Claim

| (1)             | (2)           | (3)   | (4)   | (5)   | (6)   | (7)   | (8)   | (9)   | (10)  | (11)  | (12)  | (13)  | (14)   | (15)   | (16)   | (17)   | (18)   | (19)   | (20)   | (21)   |
|-----------------|---------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|--------|--------|--------|--------|--------|--------|--------|
| Bullius Burda I | Age in Months |       |       | 40    | F.4   |       | 70    | •     | 400   |       | 400   | 400   | 450    | 400    | 474    | 400    | 400    | 040    |        | 20.4   |
| Policy Period   | 6             | 18    | 30    | 42    | 54    | 66    | 78    | 90    | 102   | 114   | 126   | 138   | 150    | 162    | 174    | 186    | 198    | 210    | 222    | 234    |
| 1994            | -             | 161   | 454   | 658   | 1,179 | 1,276 | 1,412 | 1,459 | 1,896 | 2,959 | 4,950 | 7,952 | 10,185 | 11,633 | 12,614 | 12,784 | 13,013 | 13,061 | 13,118 | 13,199 |
| 1995            | -             | 104   | 224   | 346   | 427   | 662   | 786   | 867   | 996   | 1,321 | 1,437 | 1,682 | 2,050  | 2,340  | 2,639  | 2,764  | 2,923  | 2,985  | 3,115  |        |
| 1996            | -             | 31    | 103   | 425   | 524   | 551   | 563   | 606   | 747   | 845   | 1,204 | 1,713 | 2,252  | 2,720  | 3,200  | 3,557  | 3,758  | 4,099  |        |        |
| 1997            | -             | 126   | 408   | 728   | 1,044 | 1,688 | 3,195 | 3,764 | 3,913 | 3,984 | 4,250 | 4,647 | 4,926  | 5,267  | 5,586  | 5,814  | 6,038  |        |        |        |
| 1998            | -             | 197   | 367   | 889   | 2,198 | 3,336 | 3,864 | 4,616 | 5,911 | 6,678 | 7,326 | 7,902 | 8,378  | 8,931  | 9,348  | 9,771  |        |        |        |        |
| 1999            | -             | 21    | 151   | 702   | 1,272 | 1,713 | 2,591 | 4,301 | 5,386 | 6,272 | 6,954 | 7,458 | 8,134  | 8,689  | 9,196  |        |        |        |        |        |
| 2000            | 1             | 3     | 329   | 840   | 1,605 | 3,804 | 5,230 | 5,808 | 6,615 | 6,971 | 7,438 | 8,056 | 8,475  | 8,720  |        |        |        |        |        |        |
| 2001            | 7             | 447   | 940   | 1,485 | 1,919 | 2,476 | 4,009 | 4,684 | 5,343 | 6,063 | 6,883 | 7,416 | 7,923  |        |        |        |        |        |        |        |
| 2002            | 49            | 716   | 1,520 | 2,192 | 2,522 | 2,943 | 3,346 | 3,896 | 4,345 | 4,942 | 5,594 | 6,199 |        |        |        |        |        |        |        |        |
| 2003            | 614           | 1,495 | 2,492 | 2,946 | 3,679 | 4,005 | 4,485 | 4,861 | 5,533 | 6,223 | 7,027 |       |        |        |        |        |        |        |        |        |
| 2004            | 48            | 809   | 2,736 | 3,976 | 4,599 | 5,326 | 5,895 | 6,443 | 7,030 | 7,865 |       |       |        |        |        |        |        |        |        |        |
| 2005            | 145           | 843   | 2,354 | 3,416 | 4,669 | 5,514 | 6,243 | 7,457 | 8,537 |       |       |       |        |        |        |        |        |        |        |        |
| 2006            | 99            | 748   | 1,659 | 2,787 | 3,902 | 4,548 | 4,978 | 5,854 |       |       |       |       |        |        |        |        |        |        |        |        |
| 2007            | 69            | 1,361 | 2,853 | 4,142 | 5,147 | 6,095 | 6,815 |       |       |       |       |       |        |        |        |        |        |        |        |        |
| 2008            | 118           | 974   | 2,252 | 4,248 | 6,203 | 7,793 |       |       |       |       |       |       |        |        |        |        |        |        |        |        |
| 2009            | 72            | 1,900 | 4,471 | 6,234 | 8,122 |       |       |       |       |       |       |       |        |        |        |        |        |        |        |        |
| 2010            | 178           | 1,622 | 3,632 | 5,204 |       |       |       |       |       |       |       |       |        |        |        |        |        |        |        |        |
| 2011            | 214           | 1,876 | 4,267 |       |       |       |       |       |       |       |       |       |        |        |        |        |        |        |        |        |
| 2012            | 56            | 1,907 |       |       |       |       |       |       |       |       |       |       |        |        |        |        |        |        |        |        |
| 2013            | 210           |       |       |       |       |       |       |       |       |       |       |       |        |        |        |        |        |        |        |        |

Note - Loss data equals ratio of data in Exhibit 15 to data in Exhibit 14.



#### USTIF Loss Fund Experience at 6/30/2013 Data Summary - Loss Summary

| (1)           | (2)         | (3)          | (4)           | (5)        |
|---------------|-------------|--------------|---------------|------------|
| I             |             | Loss         |               | ALAE       |
| Policy Period | Paid        | Case Reserve | Case Incurred | Paid       |
| 1994          | 14,717,050  | 594,711      | 15,311,761    | 2,243,806  |
| 1995          | 44,174,078  | 3,506,319    | 47,680,397    | 1,211,556  |
| 1996          | 54,500,935  | 5,349,234    | 59,850,169    | 1,569,935  |
| 1997          | 68,349,730  | 3,491,780    | 71,841,510    | 2,614,271  |
| 1998          | 94,098,293  | 5,019,624    | 99,117,917    | 5,168,911  |
| 1999          | 108,943,899 | 7,673,367    | 116,617,266   | 5,278,273  |
| 2000          | 64,457,740  | 4,544,850    | 69,002,590    | 3,104,229  |
| 2001          | 72,723,966  | 7,312,098    | 80,036,064    | 2,638,453  |
| 2002          | 57,084,147  | 7,254,517    | 64,338,664    | 2,163,461  |
| 2003          | 34,739,575  | 5,326,902    | 40,066,477    | 1,693,604  |
| 2004          | 45,878,641  | 8,692,840    | 54,571,481    | 2,508,837  |
| 2005          | 32,029,453  | 6,059,773    | 38,089,226    | 2,014,661  |
| 2006          | 22,905,540  | 5,026,730    | 27,932,270    | 1,211,684  |
| 2007          | 24,325,300  | 4,228,030    | 28,553,330    | 1,253,950  |
| 2008          | 19,898,848  | 5,287,866    | 25,186,714    | 1,379,413  |
| 2009          | 15,379,563  | 6,186,163    | 21,565,726    | 1,413,265  |
| 2010          | 12,273,389  | 8,458,262    | 20,731,651    | 811,890    |
| 2011          | 7,776,653   | 11,119,495   | 18,896,148    | 797,955    |
| 2012          | 2,506,650   | 12,737,282   | 15,243,932    | 339,366    |
| 2013          | 55,803      | 9,469,197    | 9,525,000     | 19,130     |
| Total         | 796,819,253 | 127,339,040  | 924,158,293   | 39,436,650 |

<sup>(2)</sup> Based on client data.

<sup>(3)</sup> Based on client data.

<sup>(4) = (2) + (3)</sup> 

<sup>(5)</sup> Based on client data.



## USTIF Loss Fund Experience at 6/30/2013 Data Summary - Number of Open Claims at Prior Valuations

| (1)           | (2)       | (3)       | (4)       | (5)          | (6)              | (7)       | (8)       | (9)       |
|---------------|-----------|-----------|-----------|--------------|------------------|-----------|-----------|-----------|
|               |           |           |           | Number of Op | en Claims as of: |           |           | İ         |
| Policy Period | 6/30/2006 | 6/30/2007 | 6/30/2008 | 6/30/2009    | 6/30/2010        | 6/30/2011 | 6/30/2012 | 6/30/2013 |
| 1994          | 16        | 15        | 12        | 10           | 9                | 9         | 10        | 8         |
| 1995          | 94        | 85        | 74        | 71           | 61               | 54        | 52        | 47        |
| 1996          | 106       | 94        | 86        | 82           | 71               | 69        | 62        | 57        |
| 1997          | 113       | 101       | 91        | 82           | 76               | 69        | 62        | 54        |
| 1998          | 158       | 138       | 124       | 111          | 99               | 93        | 82        | 74        |
| 1999          | 204       | 193       | 171       | 158          | 147              | 137       | 125       | 102       |
| 2000          | 138       | 128       | 106       | 97           | 89               | 82        | 75        | 69        |
| 2001          | 188       | 173       | 149       | 142          | 133              | 120       | 112       | 94        |
| 2002          | 153       | 136       | 106       | 98           | 94               | 90        | 85        | 75        |
| 2003          | 128       | 109       | 97        | 85           | 81               | 71        | 66        | 58        |
| 2004          | 197       | 172       | 146       | 132          | 117              | 106       | 93        | 82        |
| 2005          | 181       | 124       | 103       | 94           | 82               | 78        | 71        | 60        |
| 2006          | 91        | 136       | 101       | 90           | 74               | 64        | 56        | 50        |
| 2007          | n/a       | 72        | 116       | 89           | 78               | 69        | 60        | 54        |
| 2008          | n/a       | n/a       | 76        | 111          | 90               | 82        | 69        | 58        |
| 2009          | n/a       | n/a       | n/a       | 88           | 123              | 98        | 80        | 64        |
| 2010          | n/a       | n/a       | n/a       | n/a          | 71               | 109       | 71        | 62        |
| 2011          | n/a       | n/a       | n/a       | n/a          | n/a              | 69        | 127       | 90        |
| 2012          | n/a       | n/a       | n/a       | n/a          | n/a              | n/a       | 71        | 102       |
| 2013          | n/a       | n/a       | n/a       | n/a          | n/a              | n/a       | n/a       | 76        |
| Total         | 1,767     | 1,676     | 1,558     | 1,540        | 1,495            | 1,469     | 1,429     | 1,336     |

<sup>(2) - (8)</sup> From Exhibit 17.



#### USTIF Loss Fund Experience at 6/30/2013 Data Summary - Claim Counts

(1) (2) (3)

| Policy Period | <b>Closed Claim Counts</b> | Open Claim Counts | Reported Claim Counts |
|---------------|----------------------------|-------------------|-----------------------|
| 1994          | 162                        | 8                 | 170                   |
| 1995          | 342                        | 47                | 389                   |
| 1996          | 326                        | 57                | 383                   |
| 1997          | 379                        | 54                | 433                   |
| 1998          | 455                        | 74                | 529                   |
| 1999          | 472                        | 102               | 574                   |
| 2000          | 287                        | 69                | 356                   |
| 2001          | 239                        | 94                | 333                   |
| 2002          | 274                        | 75                | 349                   |
| 2003          | 183                        | 58                | 241                   |
| 2004          | 237                        | 82                | 319                   |
| 2005          | 176                        | 60                | 236                   |
| 2006          | 157                        | 50                | 207                   |
| 2007          | 130                        | 54                | 184                   |
| 2008          | 119                        | 58                | 177                   |
| 2009          | 110                        | 64                | 174                   |
| 2010          | 94                         | 62                | 156                   |
| 2011          | 97                         | 90                | 187                   |
| 2012          | 76                         | 102               | 178                   |
| 2013          | 15                         | 76                | 91                    |
| Total         | 4,330                      | 1,336             | 5,666                 |

<sup>(2)</sup> Based on client data.

<sup>(3)</sup> Based on client data.

<sup>(4) = (2) + (3)</sup> 



#### USTIF Loss Fund Experience @ 6/30/2013 Data Summary - Fixed Price Contracts Through Close

| (1)           | (2)    | (3)    | (4)    | (5)    | (6)    | (7)    | (8)        | (9)          | (10)        | (11)          | (12)    | (13)    | (14)    | (15)    | (16)    | (17)    | (18)  |
|---------------|--------|--------|--------|--------|--------|--------|------------|--------------|-------------|---------------|---------|---------|---------|---------|---------|---------|-------|
|               | 1      |        |        |        |        |        | Year Enter | ed Into Sino | ce Policy Y | ear Inception | on      |         |         |         |         | ı       |       |
| Policy Period | Year 1 | Year 2 | Year 3 | Year 4 | Year 5 | Year 6 | Year 7     | Year 8       | Year 9      | Year 10       | Year 11 | Year 12 | Year 13 | Year 14 | Year 15 | Year 16 | Total |
| 1998          | n/a    | n/a    | n/a    | n/a    | n/a    | n/a    | 0          | 1            | 1           | 6             | 2       | 6       | 3       | 1       | 3       | 0       | 23    |
| 1999          | n/a    | n/a    | n/a    | n/a    | n/a    | 0      | 0          | 2            | 9           | 5             | 2       | 5       | 2       | 2       | 1       |         | 28    |
| 2000          | n/a    | n/a    | n/a    | n/a    | 1      | 1      | 3          | 1            | 3           | 1             | 2       | 0       | 2       | 1       |         |         | 15    |
| 2001          | n/a    | n/a    | n/a    | 0      | 0      | 2      | 2          | 2            | 3           | 4             | 3       | 2       | 2       |         |         |         | 20    |
| 2002          | n/a    | n/a    | 0      | 2      | 0      | 1      | 3          | 3            | 0           | 2             | 2       | 1       |         |         |         |         | 14    |
| 2003          | n/a    | 0      | 1      | 6      | 0      | 1      | 4          | 0            | 2           | 0             | 0       |         |         |         |         |         | 14    |
| 2004          | 0      | 2      | 3      | 3      | 4      | 1      | 3          | 0            | 1           | 0             |         |         |         |         |         |         | 17    |
| 2005          | 0      | 3      | 3      | 7      | 4      | 5      | 3          | 4            | 0           |               |         |         |         |         |         |         | 29    |
| 2006          | 0      | 2      | 5      | 3      | 4      | 1      | 1          | 0            |             |               |         |         |         |         |         |         | 16    |
| 2007          | 0      | 3      | 4      | 1      | 1      | 3      | 1          |              |             |               |         |         |         |         |         |         | 13    |
| 2008          | 0      | 1      | 1      | 2      | 6      | 0      |            |              |             |               |         |         |         |         |         |         | 10    |
| 2009          | 0      | 1      | 3      | 1      | 2      |        |            |              |             |               |         |         |         |         |         |         | 7     |
| 2010          | 0      | 3      | 1      | 4      |        |        |            |              |             |               |         |         |         |         |         |         | 8     |
| 2011          | 0      | 1      | 3      |        |        |        |            |              |             |               |         |         |         |         |         |         | 4     |
| 2012          | 0      | 0      |        |        |        |        |            |              |             |               |         |         |         |         |         |         | 0     |
| 2013          | 0      |        |        |        |        |        |            |              |             |               |         |         |         |         |         |         | 0     |
| Total         | 0      | 16     | 24     | 29     | 22     | 15     | 20         | 13           | 19          | 18            | 11      | 14      | 9       | 4       | 4       |         | 218   |

<sup>(2)</sup> through (16) Incremental counts based on client data.

<sup>(18)</sup> Sum of (2) through (16).

Note: Values on last diagonal represent 6 months of data.

There are five records with missing contract year that are not included above.



## USTIF Loss Fund Experience @ 6/30/2013 Post Remedial Care Costs Associated with Environmental Covenants Summary by Policy Period

| (1)           | (2)  | (3)          | (4)   | (5)    | (6)       | (7)    | (8)     | (9)            | (10)    | (11)    | (12)          | (13)      |
|---------------|------|--------------|-------|--------|-----------|--------|---------|----------------|---------|---------|---------------|-----------|
|               |      | Claim Counts |       |        | Paid PRCP |        | PR      | RCP Case Resen | /es     |         | Incurred PRCP | I         |
| Policy Period | Open | Closed       | Total | Open   | Closed    | Total  | Open    | Closed         | Total   | Open    | Closed        | Total     |
| 1994          | 1    | 1            | 2     | 0      | 698       | 698    | 50,000  | 10,665         | 60,665  | 50.000  | 11,363        | 61,363    |
| 1995          | 2    | 1            | 3     | 0      | 111       | 111    | 22,500  | 4,639          | 27,139  | 22,500  | 4,750         | 27,250    |
| 1996          | 2    | 0            | 2     | 12,266 | 0         | 12,266 | 412,734 | 0              | 412,734 | 425,000 | 0             | 425,000   |
| 1997          | 0    | 2            | 2     | 0      | 13,638    | 13,638 | 0       | 6,617          | 6,617   | 0       | 20,255        | 20,255    |
| 1998          | 1    | 1            | 2     | 0      | 1,113     | 1,113  | 22,525  | 32,337         | 54,862  | 22,525  | 33,450        | 55,975    |
| 1999          | 0    | 10           | 10    | 0      | 3,115     | 3,115  | 0       | 128,775        | 128,775 | 0       | 131,890       | 131,890   |
| 2000          | 1    | 1            | 2     | 0      | 0         | 0      | 0       | 25,000         | 25,000  | 0       | 25,000        | 25,000    |
| 2001          | 2    | 7            | 9     | 5,871  | 3,117     | 8,988  | 22,407  | 155,321        | 177,727 | 28,278  | 158,438       | 186,716   |
| 2002          | 3    | 0            | 3     | 2,778  | 0         | 2,778  | 48,779  | 0              | 48,779  | 51,557  | 0             | 51,557    |
| 2003          | 0    | 1            | 1     | 0      | 0         | 0      | 0       | 2,560          | 2,560   | 0       | 2,560         | 2,560     |
| 2004          | 1    | 2            | 3     | 1,638  | 1,132     | 2,770  | 12,912  | 11,171         | 24,083  | 14,550  | 12,304        | 26,854    |
| 2005          | 1    | 2            | 3     | 0      | 0         | 0      | 0       | 5,840          | 5,840   | 0       | 5,840         | 5,840     |
| 2006          | 1    | 1            | 2     | 0      | 258       | 258    | 3,750   | 5,992          | 9,742   | 3,750   | 6,250         | 10,000    |
| 2007          | 0    | 0            | 0     | 0      | 0         | 0      | 0       | 0              | 0       | 0       | 0             | 0         |
| 2008 - 2013   | 0    | 0            | 0     | 0      | 0         | 0      | 0       | 0              | 0       | 0       | 0             | 0         |
| Total         | 15   | 29           | 44    | 22,553 | 23,181    | 45,735 | 595,607 | 388,917        | 984,523 | 618,160 | 412,098       | 1,030,258 |
| Control       | 15   | 29           | 44    | 22,553 | 23,181    | 45,735 | 595,607 | 388,917        | 984,523 | 618,160 | 412,098       | 1,030,258 |

<sup>(2)</sup> through (13) Based on client data



# USTIF Loss Fund Experience @ 6/30/2013 Post Remedial Care (PRC) Costs Associated with Environmental Covenants Summary by PRC Year

| (1)           | (1) (2) (3) |               | (4)       |
|---------------|-------------|---------------|-----------|
| PRC Year      | Paid        | Case Reserves | Incurred  |
| Not Available | 0           | 72,525        | 72,525    |
| 2005          | 0           | 0             | 0         |
| 2006          | 4,139       | 55,861        | 60,000    |
| 2007          | 0           | 0             | 0         |
| 2008          | 3,225       | 31,886        | 35,111    |
| 2009          | 606         | 8,844         | 9,450     |
| 2010          | 1,113       | 32,337        | 33,450    |
| 2011          | 6,579       | 65,624        | 72,203    |
| 2012          | 26,306      | 481,531       | 507,837   |
| 2013          | 3,767       | 235,916       | 239,684   |
| Total         | 45,735      | 984,523       | 1,030,258 |
| Control       | 45,735      | 984,523       | 1,030,258 |

<sup>(1)</sup> Based on the PRC agreement date

<sup>(2)</sup> through (4) Based on client data



## **Appendix**



## Loss and Expense Projections Incurred by Fiscal Year

(1) (2) (3) (4) (5)

|                    |               | <b>Estimated Total</b> |                     | <b>Cumulative Underwriting</b> |
|--------------------|---------------|------------------------|---------------------|--------------------------------|
| <u>Fiscal Year</u> | Total Revenue | Annual Cost            | Underwriting Income | Income                         |
| 7/1/13 - 6/30/14   | 280,000       | 302,580                | (22,580)            | (22,580)                       |
| 7/1/14 - 6/30/15   | 280,000       | 312,213                | (32,213)            | (54,793)                       |
| 7/1/15 - 6/30/16   | 280,000       | 322,158                | (42,158)            | (96,951)                       |
| 7/1/16 - 6/30/17   | 280,000       | 332,424                | (52,424)            | (149,374)                      |
| 7/1/17 - 6/30/18   | 280,000       | 343,021                | (63,021)            | (212,396)                      |
| 7/1/18 - 6/30/19   | 280,000       | 353,962                | (73,962)            | (286,358)                      |
| 7/1/19 - 6/30/20   | 280,000       | 365,257                | (85,257)            | (371,615)                      |
| 7/1/20 - 6/30/21   | 280,000       | 376,918                | (96,918)            | (468,534)                      |
| 7/1/21 - 6/30/22   | 280,000       | 388,957                | (108,957)           | (577,491)                      |
| 7/1/22 - 6/30/23   | 280,000       | 401,387                | (121,387)           | (698,878)                      |
| Total              | 2,800,000     | 3,498,878              | (698,878)           |                                |

<sup>(2)</sup> From Appendix Exhibit 3 with a 0% trend going forward.

<sup>(3)</sup> From Appendix Exhibit 2.

<sup>(4)</sup> Equals (2) - (3).

<sup>(5)</sup> From (4).



## Loss and Expense Projections Incurred by Fiscal Year

| (1) (2) (3) (4) (3) (6) | (1) | (2) | (3) | (4) | (5) | (6) | (7) |
|-------------------------|-----|-----|-----|-----|-----|-----|-----|
|-------------------------|-----|-----|-----|-----|-----|-----|-----|

| Fiscal Year      | Tanks-Installed | Loss Rate | Estimated Annual ALAE | Estimated Annual Loss and ALAE | Estimated ULAE | Estimated Total Annual Cost |
|------------------|-----------------|-----------|-----------------------|--------------------------------|----------------|-----------------------------|
|                  |                 |           |                       |                                |                |                             |
| 7/1/13 - 6/30/14 | 260             | 950       | 34,580                | 281,580                        | 21,000         | 302,580                     |
| 7/1/14 - 6/30/15 | 260             | 979       | 35,963                | 290,373                        | 21,840         | 312,213                     |
| 7/1/15 - 6/30/16 | 260             | 1,008     | 37,402                | 299,444                        | 22,714         | 322,158                     |
| 7/1/16 - 6/30/17 | 260             | 1,038     | 38,898                | 308,801                        | 23,622         | 332,424                     |
| 7/1/17 - 6/30/18 | 260             | 1,069     | 40,454                | 318,454                        | 24,567         | 343,021                     |
| 7/1/18 - 6/30/19 | 260             | 1,101     | 42,072                | 328,413                        | 25,550         | 353,962                     |
| 7/1/19 - 6/30/20 | 260             | 1,134     | 43,755                | 338,686                        | 26,572         | 365,257                     |
| 7/1/20 - 6/30/21 | 260             | 1,168     | 45,505                | 349,284                        | 27,635         | 376,918                     |
| 7/1/21 - 6/30/22 | 260             | 1,203     | 47,325                | 360,217                        | 28,740         | 388,957                     |
| 7/1/22 - 6/30/23 | 260             | 1,240     | 49,218                | 371,497                        | 29,890         | 401,387                     |
| Total            | 2,600           |           | 415,171               | 3,246,749                      | 252,128        | 3,498,878                   |

<sup>(2)</sup> From Appendix Exhibit 6 for 2013 (0% trend per annum thereafter).

<sup>(3)</sup> From Appendix Exhibit 4-1 for 2013 (3.0% trend per annum thereafter).

<sup>(4)</sup> From the projections in the USTIF Loss Fund analysis.

<sup>(5)</sup> Equals (2) x (3) + (4).

<sup>(6)</sup> Value for 2013 selected based on discussions with the PA Insurance Department. Trended at 4% thereafter.

<sup>(7)</sup> Sum of (5) and (6).



#### Estimated Revenue for the Period 7/1/2013 - 6/30/2014

|  | (1) | (2) | (3) | (4) |
|--|-----|-----|-----|-----|
|--|-----|-----|-----|-----|

|                                | Number of Licenses or |                             |         |
|--------------------------------|-----------------------|-----------------------------|---------|
| Туре                           | Activities            | Fees                        | Revenue |
| Company Fees                   | 209                   | 1,000                       | 209,000 |
| Activity - Removal             | 450                   | 15                          | 6,750   |
| Activity - Major Modifications | 825                   | 50                          | 41,250  |
| Activity - Installations       | 260                   | 50                          | 13,000  |
|                                |                       | Indicated Total             | 270,000 |
|                                | (5) Actual Fe         | ees - 7/1/2012 to 6/30/2013 | 289,456 |
|                                | Selec                 | ted 2013/14 TIIP Revenue    | 280,000 |

<sup>(2)</sup> From Appendix Exhibit 6 with the Number of Licenses provided by the PA Insurance Department.

<sup>(3)</sup> From the current fee structure.

<sup>(4)</sup> Equals (2) times (3)

<sup>(5)</sup> Provided by PA Insurance Department.



#### **Estimation of Prospective Loss Rate**

| (1)        | (2) | (3)        | (4) | (5)   |
|------------|-----|------------|-----|-------|
| \ <i>\</i> | \ / | <b>X-7</b> | ` ' | \ · / |

| Calendar or Fiscal Year | Indicated Ultimate | Ultimate Trended to 2013/14 | Tanks-Installed               | Loss per Tank |
|-------------------------|--------------------|-----------------------------|-------------------------------|---------------|
| 1/1/02 - 6/30/02        | 0                  | 0                           | 86                            | 0             |
| 7/1/02 - 6/30/03        | 80,735             | 111,756                     | 461                           | 242           |
| 7/1/03 - 6/30/04        | 150,218            | 201,880                     | 334                           | 604           |
| 7/1/04 - 6/30/05        | 0                  | 0                           | 314                           | 0             |
| 7/1/05 - 6/30/06        | 0                  | 0                           | 261                           | 0             |
| 7/1/06 - 6/30/07        | 0                  | 0                           | 220                           | 0             |
| 7/1/07 - 6/30/08        | 0                  | 0                           | 232                           | 0             |
| 7/1/08 - 6/30/09        | 0                  | 0                           | 275                           | 0             |
| 7/1/09 - 6/30/10        | 91,758             | 103,274                     | 241                           | 429           |
| 7/1/10 - 6/30/11        | 977,706            | 1,068,366                   | 242                           | 4,415         |
| 7/1/11 - 6/30/12        | 366,147            | 388,446                     | 292                           | 1,330         |
| 7/1/12 - 6/30/13        | 507,408            | 522,630                     | 209                           | 2,501         |
| Total                   | 2,173,972          | 2,396,352                   | 3,167                         | 757           |
| Control                 | 2,173,972          |                             | 3,167                         |               |
|                         |                    | A                           | Average: 7/1/2002 - 6/30/2013 | 778           |
|                         |                    |                             | Average: 7/1/2004 - 6/30/2013 | 911           |
|                         |                    | Prior Selec                 | cted Loss Rate (2012 Review)  | 950           |
|                         |                    |                             | Selected Loss Rate            | 950           |

<sup>(2)</sup> From Appendix Exhibit 4-2.

<sup>(3)</sup> Trended at 3.0% per annum.

<sup>(4)</sup> From Appendix Exhibit 6.

<sup>(5)</sup> Equals (3) divided by (4).



Control

#### Pennsylvania Insurance Department / Bureau of Special Funds Tank Installers Indemnification Program

#### **Estimation of Ultimate TIIP Losses**

| (1)                     | (2)                      | (3)                                | (4)       | (5)                       | (6)<br>(2) + (1-(3))*(4)x (117) | (7)<br>see note    |
|-------------------------|--------------------------|------------------------------------|-----------|---------------------------|---------------------------------|--------------------|
| Calendar or Fiscal Year | Reported Loss at 6/30/13 | xpected % Reported at<br>6/30/2013 | Revenue   | Loss Development Estimate | BF Loss Estimates               | Indicated Ultimate |
| 1/1/02 - 6/30/02        | 0                        | 86%                                | 208,026   | 0                         | 23,489                          | 0                  |
| 7/1/02 - 6/30/03        | 80,735                   | 85%                                | 348,561   | 94,843                    | 123,771                         | 80,735             |
| 7/1/03 - 6/30/04        | 125,000                  | 83%                                | 325,583   | 150,218                   | 170,366                         | 150,218            |
| 7/1/04 - 6/30/05        | 0                        | 81%                                | 320,096   | 0                         | 50,097                          | 0                  |
| 7/1/05 - 6/30/06        | 0                        | 79%                                | 310,424   | 0                         | 54,272                          | 0                  |
| 7/1/06 - 6/30/07        | 0                        | 76%                                | 300,471   | 0                         | 60,497                          | 0                  |
| 7/1/07 - 6/30/08        | 0                        | 71%                                | 299,774   | 0                         | 71,400                          | 0                  |
| 7/1/08 - 6/30/09        | 0                        | 67%                                | 327,028   | 0                         | 88,291                          | 0                  |
| 7/1/09 - 6/30/10        | 50,000                   | 64%                                | 286,278   | 77,544                    | 134,400                         | 91,758             |
| 7/1/10 - 6/30/11        | 881,413                  | 60%                                | 290,385   | 1,467,857                 | 977,706                         | 977,706            |
| 7/1/11 - 6/30/12        | 262,500                  | 56%                                | 286,120   | 465,794                   | 366,147                         | 366,147            |
| 7/1/12 - 6/30/13        | 375,000                  | 42%                                | 273,360   | 900,536                   | 507,408                         | 507,408            |
| Total                   | 1,774,648                |                                    | 3,576,106 | 3,156,792                 | 2,627,843                       | 2,173,972          |

3,576,106

1,774,648

<sup>(2)</sup> From Appendix Exhibit 5.

<sup>(3)</sup> Per USTIF loss development factors.

<sup>(4)</sup> From Appendix Exhibit 6.

<sup>(5)</sup> Equals (2) divided by (3).

<sup>(6)</sup> Assumes a 17% expense to revenue ratio based on the assumptions in the USTIF analysis (includes a provision for ULAE).

<sup>(7)</sup> Equals (2) if there are no open or appealed cases and equals (6) for 2010-2012. Otherwise, equals weighted average of (5) and (6).



Summary of TIIP Data as of June 30, 2013

| (1)                     | (2)  | (3)                      | (4)                 | (5)   | (6)                       | (7)           |  |  |
|-------------------------|------|--------------------------|---------------------|-------|---------------------------|---------------|--|--|
|                         |      | Number of Claims by Type |                     |       |                           |               |  |  |
| Calendar or Fiscal Year | Open | Appealed                 | Closed or Withdrawn | Total | Paid ALAE Expense Amounts | Reported Loss |  |  |
| 1/1/02 - 6/30/02        | -    | -                        | -                   | -     | -                         | -             |  |  |
| 7/1/02 - 6/30/03        | -    | -                        | 5                   | 5     | 54,247                    | 80,735        |  |  |
| 7/1/03 - 6/30/04        | 1    | -                        | 3                   | 4     | 26,471                    | 125,000       |  |  |
| 7/1/04 - 6/30/05        | -    | -                        | -                   | -     | -                         | -             |  |  |
| 7/1/05 - 6/30/06        | -    | -                        | -                   | -     | -                         | -             |  |  |
| 7/1/06 - 6/30/07        | -    | -                        | 2                   | 2     | -                         | -             |  |  |
| 7/1/07 - 6/30/08        | -    | -                        | 1                   | 1     | -                         | -             |  |  |
| 7/1/08 - 6/30/09        | -    | -                        | -                   | -     | -                         | -             |  |  |
| 7/1/09 - 6/30/10        | 1    | 1                        | -                   | 2     | -                         | 50,000        |  |  |
| 7/1/10 - 6/30/11        | 1    | -                        | 2                   | 3     | 97,061                    | 881,413       |  |  |
| 7/1/11 - 6/30/12        | 2    | -                        | 4                   | 6     | 136,124                   | 262,500       |  |  |
| 7/1/12 - 6/30/13        | 2    | -                        | 1                   | 3     | 19,870                    | 375,000       |  |  |
| Total                   | 7    | 1                        | 18                  | 26    | 333,773                   | 1,774,648     |  |  |
| Control                 | 7    | 1                        | 18                  | 26    | 333,773                   | 1,774,648     |  |  |

<sup>(2) - (4)</sup> Based on client data.

<sup>(5)</sup> Sum of (2) through (4).

<sup>(6) &</sup>amp; (7) Based on client data.



#### **Exposure Summary - By Period**

| (1) | (2) | (3)        | (4) | (5) |
|-----|-----|------------|-----|-----|
|     |     | Activities | 1   |     |

| Calendar or Fiscal Year                 | Tanks-Removed or<br>Closed | Tanks-Major<br>Modifications | Tanks-Installed | Total Fee Revenue |
|---|----------------------------|------------------------------|-----------------|-------------------|
| 1/1/02 - 6/30/02                        | 239                        | 99                           | 86              | 208,026           |
| 7/1/02 - 6/30/03                        | 783                        | 559                          | 461             | 348,561           |
| 7/1/03 - 6/30/04                        | 973                        | 561                          | 334             | 325,583           |
| 7/1/04 - 6/30/05                        | 817                        | 681                          | 314             | 320,096           |
| 7/1/05 - 6/30/06                        | 646                        | 569                          | 261             | 310,424           |
| 7/1/06 - 6/30/07                        | 513                        | 476                          | 220             | 300,471           |
| 7/1/07 - 6/30/08                        | 522                        | 489                          | 232             | 299,774           |
| 7/1/08 - 6/30/09                        | 580                        | 822                          | 275             | 327,028           |
| 7/1/09 - 6/30/10                        | 475                        | 725                          | 241             | 286,278           |
| 7/1/10 - 6/30/11                        | 529                        | 907                          | 242             | 290,385           |
| 7/1/11 - 6/30/12                        | 418                        | 885                          | 292             | 286,120           |
| 7/1/12 - 6/30/13                        | 364                        | 729                          | 209             | 273,360           |
| Total                                   | 6,859                      | 7,502                        | 3,167           | 3,576,106         |
| (6a) Indication #1 for 7/1/13 - 6/30/14 | 384                        | 1,008                        | 249             |                   |
| (6b) Indication #2 for 7/1/13 - 6/30/14 | 341                        | 805                          | 230             |                   |
| (6c) Average for 7/1/07 - 6/30/13       | 481                        | 760                          | 249             |                   |
| (6d) Average for 7/1/09 - 6/30/13       | 447                        | 812                          | 246             |                   |
| (7) Selected for 7/1/13 - 6/30/14       | 450                        | 825                          | 260             |                   |

<sup>(2) - (5)</sup> Based on client data.

<sup>(6</sup>a) Based on Linear Regression for 2006 - 2012.

<sup>(6</sup>b) Based on Linear Regression for 2009 - 2012.

<sup>(6</sup>c) and (6d) Simple Averages

<sup>(7)</sup> Selected based on actuarial judgment and discussions with the client.